

The



# CHEMIST AND DRUGGIST

RETAILER - WHOLESALER - MANUFACTURER

FEBRUARY 12, 1949

# WHERE THERE ARE CHILDREN

*there should be*

## PROPAMIDINE CREAM - M&B

Parents are ready customers where the children's health is concerned and there is undoubtedly a considerable business awaiting the pharmacist who displays and recommends this safe and highly effective antiseptic for application to **ABRASIONS, BURNS AND SCALDS, WOUNDS, INSECT BITES, and STINGS.**

Whilst children are the most frequent sufferers from minor injuries, **PROPAMIDINE CREAM — M&B** is equally effective in adults. There is, in fact, a place for this product in every household medicine cabinet and in the first-aid box of every workshop and sports pavilion.

★ ATTRACTIVE SHOWCARD supplied on request. DISPLAY OUTER free with every dozen tubes.

★ BONUS TERMS of 13 to the dozen available in return for window displays.

1 oz. tubes retail at 1s. 9d. (exempt from Purchase Tax)

manufactured by

**MAY & BAKER LTD**

distributors PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD DAGENHAM

48109

# And about time too

After many years of inevitable restrictions during which our reply has so often been merely another way of saying 'Sorry — we can't supply' — we are delighted to be able to announce that Monsanto Salicylates are now available in easier supply. This does not mean unlimited quantities for everybody immediately — but, as Monsanto is the biggest supplier in Britain of Aspirin, Sodium Salicylate and Salicylic Acid, it does mean a greatly increased availability of these products, and a promise of much more to come

# Monsanto Salicylates

ASPIRGRAN • ACETYL SALICYLIC ACID B.P.  
SALICYLIC ACID B.P. • SODIUM SALICYLATE  
METHYL SALICYLATE

*Write for Booklet:—*



**MONSANTO CHEMICALS LIMITED**  
VICTORIA STATION HOUSE • LONDON • S.W.1

the place of  
**FERSOLATE**  
 in N.H.S.



first preparation to combine iron, copper and manganese, Fersolate has well earned its unique reputation with the medical profession during fifteen years—and the mention of its formula in the National Formulary as Tab. Ferri. Sulph. Co.

May Fersolate names only the tubes of 100 tablets; the dispensing sizes are issued as Tab. Ferr. Sulph. Co. N.W.F. Glaxo. Whichever name is specified on N.H.S. prescriptions you can profitably supply the preparation which has your complete confidence.

GLAXO

## FERSOLATE TABLETS

### FERSOLATE Price

100 tablets **1/6d** plus **4½d** tax  
 (Trade discount 25%)

No. 1 Fersolate Parcel :  
 2 x 100's **24/-** plus **9/-** tax (Profit 33½%)

### TAB. FERR. SULPH. CO. N.W.F. Glaxo

Net Price to Chemists  
 1,000 tablets **6/-**  
 5,000 tablets **22/6d**  
 tax free

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX.

BYRon 3434

Mary Drake  
BATH AND TOILET  
SOAP



Retails at  
2'6 and 1'3



A Soap of Charm  
and Distinction

A Product of

HARRY GREEN LTD., AJAX WORKS, BARKING, ESSEX.

# COLLUMINA

Regd. Trade Mark

## aluminium hydroxide preparations for effective antacid treatment

A highly active, acid-soluble aluminium hydroxide (otherwise known as hydrous oxide of aluminium) is the basis of all Collumina preparations.

### POWDER

A new preparation available as an alternative to the suspension, Collumina Powder corresponds to the Dried Aluminium Hydroxide Gel (U.S.P. XIII). 1 grm. will neutralize 250 ml. of N/10 HCl in one hour.

Bottles of 50 grm.

### TABLETS

A new preparation. Each tablet contains 5 grains of aluminium hydroxide powder with suitable flavouring.

Bottles of 25 and 100 tablets

### SUSPENSION

The original preparation known as Collumina and containing 5% to 6% of aluminium hydroxide in aqueous suspension, with suitable flavouring. 5 c.c. will neutralize 100 c.c. of N/10 HCl in 10 to 15 minutes.

Bottles of 8 fl. oz. and 40 fl. oz.

*Made in England by*

## EVANS MEDICAL SUPPLIES LTD

Liverpool and London

OVERSEAS COMPANIES AND BRANCHES:  
AUSTRALIA, BRAZIL, EIRE, INDIA, NEAR EAST, S. AFRICA, S.E. ASIA

EVANS

# FOR COLDS AND INFLUENZA

Simply put Cephos on display on your counter and in the window to link up with the widespread national advertising for

**Cephos**  
RECD  
THE PHYSICIAN'S REMEDY

Sales  
Multiply themselves!  
P.A.T.A.  
CEPHOS LIMITED BLACKBURN

## Protection against colds

Epidemics cannot be ignored and make precaution even more necessary.

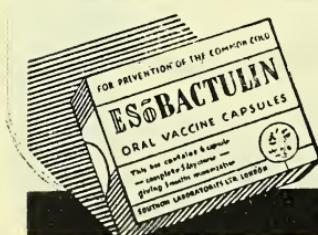
ESOBACTULIN — A five-day course consisting of 6 capsules gives most people 3 months' immunity from colds.

Complete Course 8/3 including P.T.

Trade Discount : 33½% plus Special Bonus Offer: 13 to the dozen

Supplied through YOUR Wholesaler

Show material will be sent direct on request



SOUTHON LABORATORIES LIMITED  
UPPER RICHMOND ROAD, LONDON, S.W.3

**ESOBACTULIN**  
protection against colds



POCKET CALENDAR

For counter distribution write or supply no

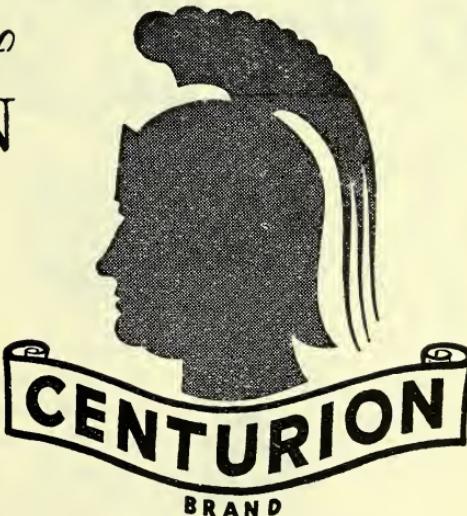
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our CENTURION*

We are proud of our "CENTURION"—proud of the reputation he has earned amongst Chemists and their customers. We jealously guard that reputation by ensuring that the high standard of quality of "CENTURION" Brand PASTILLES and LOZENGES is consistently maintained.

A Representative regularly tours your area. Would you like him to call?



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OF CREDITON**  
EST. 1817

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When you recommend Moorlands you are building a steady turnover, because regular purchases follow. The vast popularity and sales have been built up by public recommendation and proved efficacy. National press, film and poster advertising throughout the country are increasing the demand every day of the week. Keep Moorlands well displayed.



On the P.M.P.A. Protected List.

**W. B. CARTWRIGHT LTD., RAWDON, LEEDS**

# TYE a knot . . . remember

Now is the time to order

## TYEVITE VITAMIN CAPSULES

- EACH CAPSULE CONTAINS  
HALIBUT LIVER OIL M.3  
(Vit. A 4500 i.u., Vit. D 600 i.u.)

+ PLUS +

Vitamin B1 (Aneurin hydrochloride)	...	0.3 Mg.
Vitamin B2 (Riboflavin)	...	0.5 Mg.
Vitamin C (Ascorbic Acid)	...	15.0 Mg.
Vitamin E (Tocopherol acetate)	...	0.15 Mg.
Calcii Phos.	...	20.0 Mg.
Ferri Phos.	...	100.0 Mg.



### TYEVITE IS ECONOMICAL

One capsule a day is the recommended phylactic dose.

∴- Tin contains 25 days supply

### TYEVITE IS PROFITABLE TOO

Display carton of 12 Tins costs you BUT

### FOR CASH WITH ORDER

allow you 2½% discount and give you

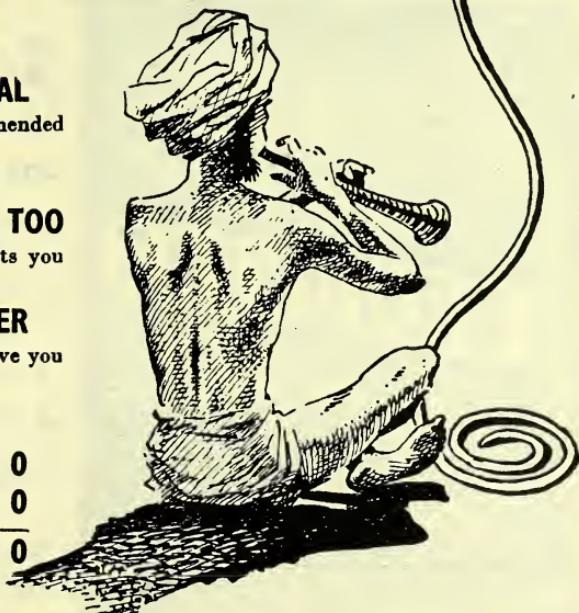
### A BONUS TIN

every dozen

Nett Outlay £1.19.0

13 Tins sell for 3.5.0

PROFIT £1.6.0



Part of the range of TYE BRAND products made by John Tye and Son Ltd., London, N.7  
Manufacturing Chemists and Capsule Makers for over a Century

# NATIONAL HEALTH SERVICE

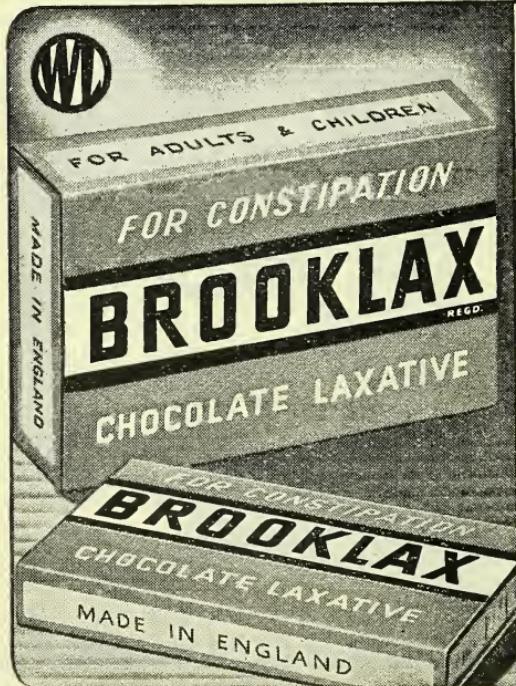
We maintain adequate stocks of all official Tablets and Pills.

# PRIVATE FORMULAS

The 'COX' organisation is always available for consultation on NEW products, and welcomes the opportunity to help with their production.

OUR EXTENSIVE PRODUCTION FACILITIES AND LONG EXPERIENCE ARE AT YOUR SERVICE

**ARTHUR H. COX & CO. LTD. EST. 1839 BRIGHTON**



## 5 REASONS why you should display and recommend BROOKLAX

- 1 BROOKLAX satisfies the highest pharmaceutical standards.
- 2 BROOKLAX commands wide sales both at home and in 65 markets the world over.
- 3 BROOKLAX is 100% British.
- 4 BROOKLAX is 100% C.F.
- 5 BROOKLAX brings you both PRESTIGE and PROFIT.

A Product of  
**WESTMINSTER LABORATORIES LTD.**  
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Telephone: PRImrose 3395/6/7



**PILL BOXES**

**SCARLET**  
(G.P.O.)  
**WHITE**  
(P.I.)  
**PURPLE**  
W.E.(P.I.)



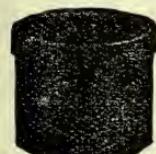
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**'LITTLE JOHN' DRUMS**

**CRYSTALS, POWDERS,  
TABLETS**

**OINTMENT BOXES**

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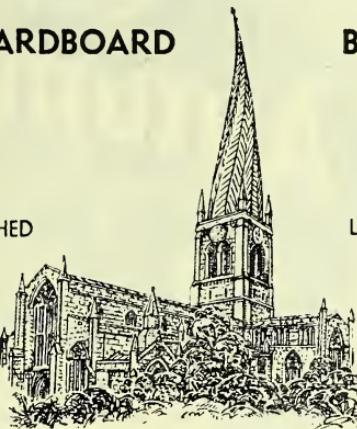
**SEALITE**  
WAX IMPREGNATED

# **ROBINSONS' OF CHESTERFIELD**

## **For CARDBOARD BOXES**

FIRST  
ESTABLISHED  
1839

STILL  
LEADING  
1949



FOR OVER A CENTURY

## **STOCK ROUND BOXES FOR THE CHEMIST**

HAVE BEEN  
MANUFACTURED

BY

**ROBINSONS' OF CHESTERFIELD**

All boxes in these categories are now  
back to pre-war standards.

The quality being improved by modern methods  
of manufacture.

Specifications and standards are in accordance with—  
**N.H.S. and B.S.I. Specifications.**

Supplies are **Unrationed** and your full order can be  
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CHESTERFIELD."

**ROBINSON & SONS, LTD.,**  
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2105  
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LONDON OFFICE: KING'S BOURNE HOUSE, 229-231, HIGH HOLBORN, W.C.1.  
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*The Greatest  
of All Tonics-*

**WITH A WORLD-WIDE REPUTATION**

The familiar Phosferine pack has won for itself an enviable world-wide goodwill. It has only to be shown to be sold And the sales of Phosferine prove how adequately "The Greatest of all Tonics" lives up to its claims. Make the most of the wonderful popularity of Phosferine by ensuring that your stocks are adequate to meet the demand.

# PHOSFERINE

**TABLETS and LIQUID**

*The Registered Trade Mark  
"Phosferine" is the property of  
PHOSFERINE (ASHTON  
& PARSONS) LIMITED.*

Retail Prices:  
**1/6 and 3/8 including Purchase**

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**THEOPHYLLIN 'RHODIA' Brand**

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# Firm Favourites!

*with every member of the family . . . .*

## CUTICURA PREPARATIONS

(MEDICINAL AND TOILET)

**SOAP . OINTMENT**

**TALCUM POWDER . SHAVING STICK**

These grand aids for skin-care have been giving confidence and satisfaction for over 65 years. Profits are good — Advertising consistent and widespread. Sales-promoting window displays always at your service.

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*The following attractive products, each with a universal appeal, will shortly be added to the popular Cuticura Range:*

**HAND CREAM . BABY OIL**

**SHAVING CREAM . LIQUID ANTISEPTIC**

**AFTER-SHAVE LOTION**

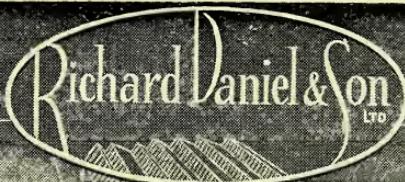
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*British Distributors:* **NEWBERY & PHILLIPS LTD.**

203, Victoria House, Southampton Row, London, W.C.1  
TELEPHONE: HOLBORN 1564

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*for*  
**THE POTTER DRUG & CHEMICAL CORPORATION**  
205-207, Victoria House, London, W.C.1

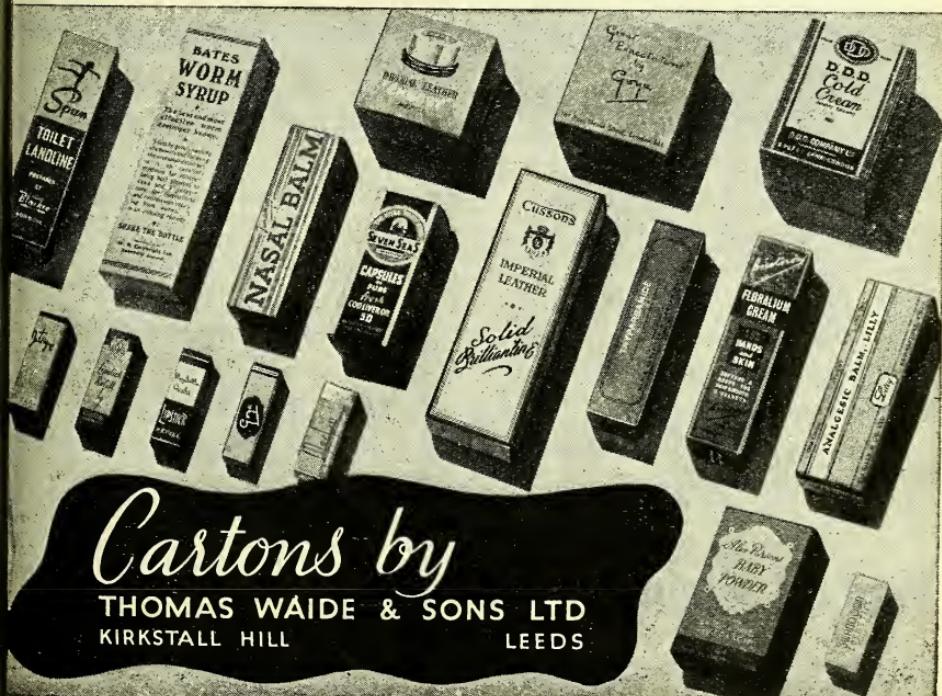


PROPRIETARIES  
SUNDRIES DRUGS  
TABLETS & PILLS

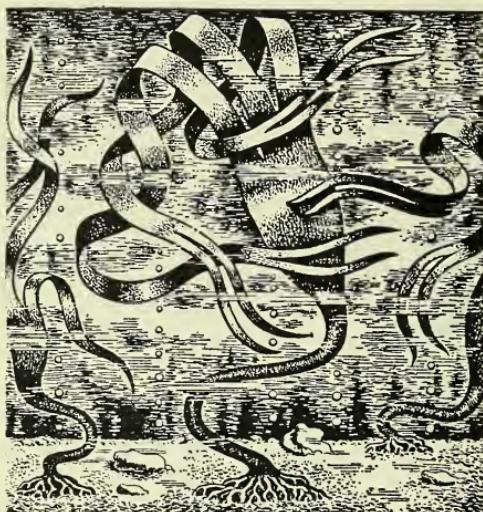
FOR  
CHEMISTS

*Manufacturing  
Chemists*

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*Cartons by*  
THOMAS WAIDE & SONS LTD  
KIRKSTALL HILL LEEDS



## CALGITEX ALGINATE PRODUCTS

NON-ANTIGENIC HAEMOSTATIC SOLUBLE ABSORBABLE  
COMPATIBLE WITH PENICILLIN  
and other antibiotics and antiseptics

Calgitex Alginate is a biological product derived from the seaweeds *Laminaria Digitata* and *Cloustoni*. In various prepared forms, as gauze, wool and solution, it is used effectively in surgery where control of haemorrhage requires a material absorbable in tissue.

It is equally effective as a dressing for external wounds. Being soluble, it can be removed easily and painlessly without damage to the healing tissues.

**STERILIZATION** These products are supplied sterilized, and can be re-sterilized if necessary by autoclaving or dry heating.

The following developments are now available:

Calgitex Alginate Gauze  
Calgitex Alginate Ribbon Gauze } In fast or slow absorption and solution grades  
Calgitex Alginate Wool

Calgitex Alginate } Very slow absorption rate specially  
Ribbon Gauze } prepared for use in E.N.F. Surgery

Sodium Alginate Solution

Calcium Chloride Clotting Solution  
(for use with Sodium Alginate Solution)

Calgitex Alginate Glove Powder

Non-irritant and absorbed by the tissues without any fibrotic reactions. Equally suitable for insufflation and dusting powder, etc.

Calgitex Alginate Lubricating Jelly

for use with all surgical instruments, etc.

For full particulars write:

# Medical Alginates Ltd.

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Sole distributors: Chas. F. Thackray, Ltd. 10 Park St., Leeds 1  
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GUARANTEED B.P. QUALITY

Mag. Carb. Levis. Mag. Carb. Pond.  
Mag. Oxide Levis. Mag. Oxide Pond.  
Mag. Trisilicate.  
Mag. Hydrate. Mist. Mag. Hydrox.

Supplied through all wholesalers  
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**The WASHINGTON CHEMICAL CO. LTD.**

A MEMBER OF THE  
TURNER & NEWALL ORGANISATION.

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CO. DURHAM**

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Manufacturers stock offered  
at *half of original cost price*

### 950 doz. Plastic Pixie Hoods

various des gns, were 16/-, 18/- and 21/- doz.

### 723 doz. Plastic Holdalls

various colours and designs, were 14/- and 16/- doz.

### 50 doz. Plastic Bathing Caps

various colours and designs, were 16/- doz.

### 980 doz. Soap Bags

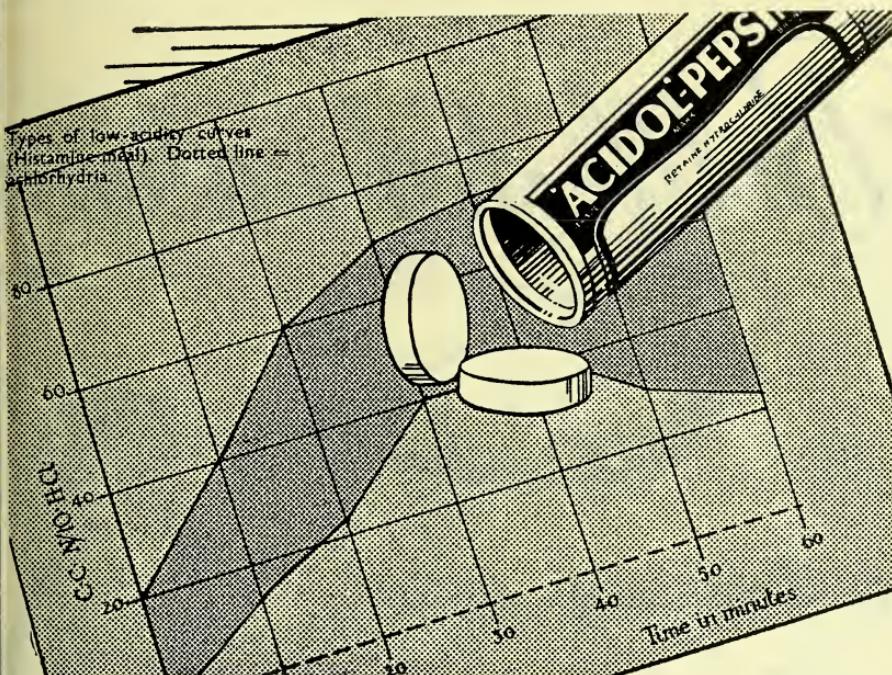
various colours and designs coloured cord draw strings, were 12/- and 13/6 doz.

All to clear at one price 6/- doz. tax paid. Orders for not less than 6 doz assorted can be accepted at this clearance price.

Cash with order to:—

**ROBERT GARSTON LTD.**

215 Vauxhall Bridge Road, London, S.W.1



## Digestion is the great secret—

Many sufferers from achlorhydria, "subacidity" and gastritis find that 'Acidol'-Pepsin is the product of choice in providing sufficient HC1 for sound digestion.

This preparation, a combination of pepsin and betaine hydrochloride in tablet form, stimulates gastric secretion and peristalsis, and improves the appetite.

Years of experience indicate that the addition of pepsin to the betaine hydrochloride enhances its action.

The tablets are convenient to carry and agreeable in taste—an important feature when treatment has to be prolonged.

# 'ACIDOL'-PEPSIN Trade Mark

*Brand of BETAINE HYDROCHLORIDE and PEPSIN*

*Note: one tablet contains gr. 1½ pepsin and gr. 6 'Acidol', the latter being equivalent to 8 drops of dilute hydrochloric acid.*

*Packings: Tubes 10, bottles 50.*

**BAYER PRODUCTS LIMITED**  
AFRICA HOUSE, KINGSWAY, W.C.2 (HOLBORN 8730)

# Bottle-fed babies



## THE Pharmacist's advice

Confronted, as he often is with a request for advice upon digestive disturbance when baby is bottle-fed, the Pharmacist may confidently recommend the use of \* 'Milk of Magnesia'.

This antacid laxative checks the formation of indigestible protein curds and enables digestion to proceed with comfort.

Thus the baby is contented, receives full nutritional value from each feed and thrives.



# 'MILK OF MAGNESIA'

REGD. TRADE MARK \*

THE CHAS. H. PHILLIPS CHEMICAL CO. LTD.,

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**Staffaillens**  
Founded 1833

are specialists in  
**MEDICINAL  
RESINS**

ALOIN  
SCAMMONY RESIN  
JALAP RESIN  
PODOPHYLLUM RESIN  
(Peltatum & Emodi)  
LEPTANDRIN



*Let us send you our Price List or quote  
you for your specific requirements.*

**Another Sterling Specification IRON AND AMMONIUM CITRATE**

A complex ferric ammonium citrate.

**Properties.** Thin dark reddish brown transparent scales, or a granular powder with an astringent taste. Very soluble in water.

**Standard.** The standard grade manufactured for medicinal purposes should comply with the requirements of the British Pharmacopœia in all respects.

**Uses.** Ferric Ammonium Citrate is one of the most widely used and generally prescribed preparations of iron. It is one of the least astringent compounds of iron and for this reason is often favoured. A green variety of ferric ammonium citrate is also used medicinally but is more frequently employed in the preparation of photographic blue print paper.

**Packages.** 28 lb. tins.

**Manufacturers:** THOMAS TYRER & CO. LTD.  
Stratford, London, E.15



**STERLING**  
*Brand Chemicals*

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# *Remember* *the NEW KEATING'S*

(PLUS D.D.T.)



## *is Doubly Deadly!*

To the quick knockout effect of the long established Keating's is now added the long-lasting lethal action of D.D.T., making an insecticide powder of great efficiency. You can recommend Keating's with confidence for all winged insects and for moths.

Make sure your stocks are adequate for the coming year. Sold in Cartons 6d. 1/-, Wholesale Terms for Minimum Order of £10 net are Face Value less 25% and 12½%, Carriage and Packing Free.

All stock supplied since January 1948



**KEATING'S** PLUS **DD.T**

THE MODERN POWDER INSECTICIDE  
kills Moths, Fleas, Beetles

Order today from THOMAS KEATING LTD. Billingshurst, Sussex.

**CITRIC ACID  
TARTARIC ACID • CREAM OF TARTAR  
ROCHELLE SALTS • CALCIUM GLUCONATE  
LITHIUM CHLORIDE • LITHIUM CARBONATE  
LITHIUM HYDROXIDE  
OF  
GUARANTEED QUALITY**



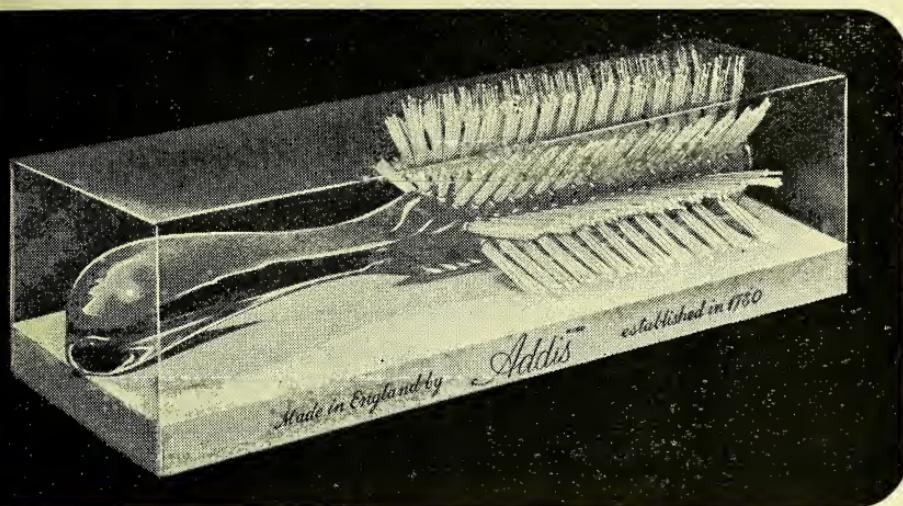
ESTABLISHED 1870  
**MANUFACTURING CHEMISTS**

Products under Development and Research  
**FUMARIC ACID • ITACONIC ACID  
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CROWN CHEMICAL WORKS, THREE MILL LANE, BROMLEY-BY-BOW, LONDON, E.3, E.

Telephone: ADVANCE 1234 (6 lines)      Telegrams: KEMBALL, LONDON, ENG.  
CODES ABC 6th, Bentleys Private

# It's lovely...It's logical...



*"And it sells on sight!" SAY RETAILERS*

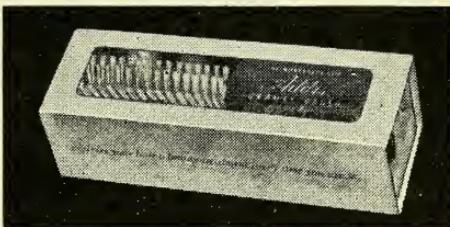
BUYERS, beauty editresses, shop assistants and smart women everywhere—will agree that the Addis Beauty Brush is the loveliest hairbrush they've ever seen, the most sensible they've ever used!

There is a good reason for this remarkable success-story.

'Deep brushing,' say the beauty experts, 'is the secret of lovely hair.' As thousands of women have already discovered, the Beauty Brush *brushes deeper than any other hairbrush*, makes even difficult' hair look noticeably prettier.

In appearance, too, the brush lives up to its name. It has a clear gem-like plastic

handle in a choice of three colours—pink, green or blue. The Addis Beauty Brush is the newest-ever look in hairbrushes and a line that will *keep selling the whole year round* on its sheer sound value for money. Retail price 12/6d. (including tax); price to you 82/6d. per dozen plus tax.



**EVERY BRUSH** is packed in transparent acetate container enclosed in attractive pink-and-maroon presentation 'sleeve.' Hard-selling display material supplied with every order for 6 brushes.

THE NEW

**Addis BEAUTY BRUSH**

*Designed—Packed—Priced—to SELL!*

# *testimony . . .*

## *emotional and otherwise*

One can well understand a mother, who is gratified at the excellent progress being made by her baby, writing her appreciation to us. It is the emotion of deep gratitude finding expression in a letter of thanks.

But when a busy doctor or matron, despite multitudinous duties, troubles to do the same, it is indeed proof positive of professional satisfaction with "Lacta" as a Nursery Milk Food. We have many such letters from doctors, doctors' wives, matrons and nursing sisters. In no single instance has such testimony been solicited. It is entirely spontaneous.

"Lacta" which we claim to be "Next best to breast milk" is offered in two types:

**LACTA Full Cream Milk Food**—enriched with Vitamin D to the extent of 320 units per ounce (800 units per pint)—is for babies from birth of normal development and health.

**LACTA (Special) Part Cream Milk Food**—enriched with Vitamin D as above and with Soluble iron salts (iron ammonium citrate) to the extent of 1.1 milligrams of iron per ounce. This is specially prepared for delicate babies, to be used in preference to full cream only when prescribed by the doctor.

If you prescribe "Lacta" we feel confident that you will be satisfied.  
It is a United Dairies product and is sold only by chemists.

Prepared by Wilts United Dairies Ltd., Trowbridge, Wilts.

AN ALL COTTON WOOL PRODUCT OF REPU

**HIGH CLASS  
Multi-Coloured  
ADVERTISING  
TRANSFERS**

When enquiring please state wording, number of colours, size and quantity required

W. Shupak & Co. Ltd  
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Tel: BISHOPSGATE 9139 and 9149

**ConSolux**  
Patent No. 4107  
(Registered)

SUPERFINE QUALITY  
ALL WOOL SANITARY TOWE

LOOPEd ENDS  
NON-ABSORBENT BACK  
**WHOLESALE ONLY**

**ROBERT BAILEY & SON, LTD**  
SURGICAL DRESSING MANUFACTURERS  
DYSART STREET, GREAT MOOR, STOCKPORT  
Phone: GREAT MOOR 3866      Grams: "UNDISPUTED," STOCKP

# 'CALCIUM-SANDOZ'

## CHOCOLATE FLAVoured TABLETS

are an agreeable and palatable  
means of ensuring an adequate  
daily intake of calcium.

### A V A I L A B L E P A C K A G E S

Boxes of 60  
tablets



### NEW SIZE—

Tins of 1,000 tablets

—NEW SIZE



**SANDOZ PRODUCTS LIMITED**

134 WIGMORE STREET, LONDON, W.I

ESTABLISHED FORTY YEARS



Specialists in the manufacture of all kinds of:-



# PILLS & TABLETS

BULK MANUFACTURERS TO THE TRADE

A privilege to undertake private formulæ for the  
Pharmaceutical Profession

May we quote for your requirements

**T. H. WALTON & CO LTD.**

MANUFACTURING CHEMISTS  
Laboratories and Works, BATLEY, Yorks.

*The Chemists' Standard*

## GIBSON'S 'MECCA' COUGH PASTILLES



Retail  
Price  
1/8  
per tin  
incl. tax

ROBERT GIBSON & SONS, LTD.  
MANCHESTER & LONDON

## C.V.B

CARR'S VITAMIN B,  
PREPARED WHEAT GERM

### A RICH SOURCE OF VITAMIN B

Eaten as a cereal or sprinkled on other cereals, stewed fruit, etc.

ONLY FROM CHEMISTS  
3/- per large (14 oz.) packet

#### TRADE:

27/- doz. Case of 2 doz. 54/-  
Net Delivered Case 3/- returnable

FROM PRINCIPAL WHOLESALERS  
OR FROM THE MANUFACTURERS

CARR'S FLOUR MILLS Ltd., CARLISLE

SHARP  
& DOHME

## palatable SULPHAMERAZINE suspension

- Readily acceptable to both children and adults.
- Contains the equivalent of 1 tablet (0.5 Gm.) in each teaspoonful.
- Rapidly absorbed.
- Less frequent dosage.
- Indicated in pneumococcal, meningococcal, gonococcal and streptococcal infections and in rheumatic fever prophylaxis.
- Supplied in 4 oz. and 16 oz. bottles, listed at 9/- and 33/- respectively and subject to 33½% discount. Exempt from Purchase Tax.

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SHARP & DOHME LIMITED, HODDESdon, HERTS

# Blue Orchid

*Perfume*



*Created by*  
**Delavelle**

Price list showing profitable quantity discounts on  
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ESTABLISHED 1880

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# Cradle Cap



★ Quickly Cleared by  
**HIO-LITE**

HIO-LITE clears 'Cradle Cap' in two or three applications. It is a boon to mothers. HIO-LITE formulated on sound Dermatological principles, with its soothing action gently and thoroughly clean the scalp and hair protecting against further infection. Recommend HIO-LITE and sales will boom. Supply now available. Retails at 1/4d. per bottle.

AVAILABLE FROM LEADING WHOLESALERS  
or from the manufacturers

**C. DRAPER & CO. LTD**  
TWYFORD, BERKSHIRE

# Mai Daze

COMPLEXION SOAP

3 oz.  
8d.



6d.  
1/-



MADE BY

**Comtesse Laboratories Ltd**  
CHATHAM PLACE, LONDON, E.C.1  
TELEPHONE

AMHERST 56-

Nationally approved selling line returns!

*Ingram's*

**AGRIPPA**  
**SPIRAL GREEN BAND**  
**TEATS & VALVES**

PAT. N° 498456

Ingram's, famous for over a hundred years for their Surgical Rubber Manufactures, take pleasure in announcing the return of one of their Agrippa Teat series, the Spiral Green Band Teats and Valves.

Nationally approved by nursing and clinical authorities and a best seller before the war, they are meticulously made from pure transparent rubber in four shapes, all of which are designed to ensure an even, natural flow. The special spiral band holds teats firmly on bottles and will not accidentally pull off. Now being supported by press advertising which will be increasingly developed.

THIS TRADE MARK  
GUARANTEES THE QUALITY

*Ingram's*  
LONDON.

J. G. INGRAM & SON LTD., LONDON, E.9

## LANNED PARENTHOOD



1. Spermicidally efficient and clean in application.
2. Non-irritant and harmless to health.
3. Does not upset the vaginal pH value.
4. Free from fatty substances.
5. Keeps perfectly in tropical climates.
6. Prescribed extensively by the Medical Profession.

**GYNOMIN**

The Scientifically balanced  
antiseptic and deodorant contraceptive.

ILLS AT  
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TUBE  
TABLETS

KEEP ADEQUATE STOCKS  
OBTAINABLE THROUGH YOUR WHOLESALER  
ETHICAL LITERATURE AND DISPLAY MATERIAL

OUR PUBLICITY  
WILL BRING NEW  
CUSTOMERS TO  
YOUR PHARMACY

ATES & COOPER LTD., PYRAMID WORKS, WEST DRAYTON, MIDDLESEX



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Why not ask us for  
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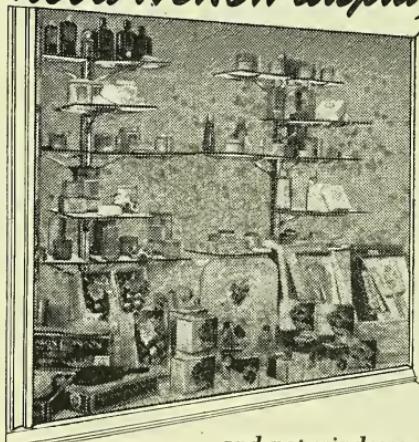
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Percenta Ltd., Percenta House, 130/2 Tooley Street, London, S.E.1



*Windows To-day  
need HOKON display*



. . . and not windows alone !  
The gleaming chromium of Hokon Display Fittings, with their glistening hygienic glass shelves, instantly adaptable to varying heights and re-arrangement, are an investment which will yield you big dividends in goodwill and increased service.

Let us send you fullest particulars of these, the latest development in Display Fittings.

CHURCH & CO (Fittings) LTD  
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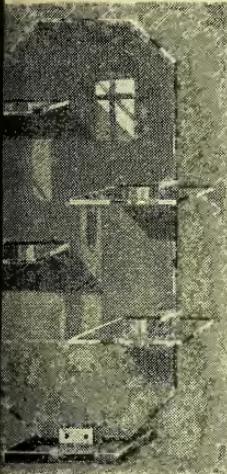


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RAPID RAT REMOVER  
Always in demand  
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**KLEENKIL**  
DDT FLY & MOTH PAPERS  
AND INSECT POWDERS

Samples and full details from :  
THE KLEENKIL COMPANY  
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Export Enquiries Invited

**CORKS,  
STOPPERS, ETC.**  
C. OLLEY & SONS LTD.  
CAMPERDOWN STREET  
LONDON, E.I  
EST. 1844



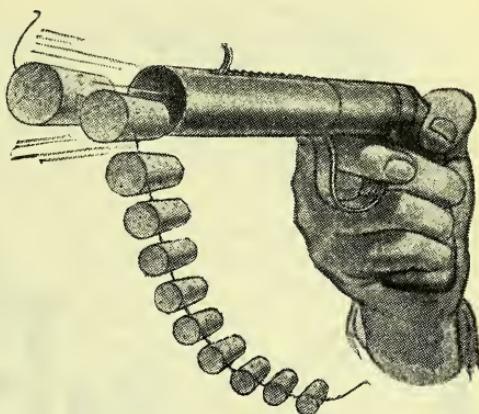
**No. 154** Glass Display  
Unit. 24" high x  
8" with four 10" x  
4" glass shelves.  
Mounted on flat base.

Show  
well  
with

## GUPWELL DISPLAYTHINGS

Units for every trade and purpose. The stand illustrated is one of the 200 in the Gupwell catalogue. Have you received a copy?

**GUPWELL (SHOPFITTERS), LTD.**  
BRADFORD STREET, BIRMINGHAM, 5



*Quick-fire*  
dispensing—  
with the Armstrong  
cork string

WHATEVER width the bottle-neck—and however great the hurry—Armstrong's String of Standard Corks has the size which fits accurately, effortlessly and instantly. No need now to waste time rummaging among a drawerful of miscellaneous corks, or measuring the aperture of the bottle. Armstrong's Cork String gives a full range of sizes, each clearly numbered. The right cork for the job can be selected first time by testing on the string: then it's just a matter of going straight to the bin where that particular size is kept.

No need, either, to order by guess-work, or by posting bottles. Simply order by number for size—and by name for quality. As useful for wholesalers as for retailers, the Armstrong String of Standard Corks ensures that neither a production line nor a customer is ever kept waiting.

**MAY WE POST ONE TO YOU FREE?** There are five quality-brands: Gold leaf, Silver leaf, Blue leaf, Green leaf, N.H.I.

*Note to Retailers:* Samples of each of these brands, together with quotation for various sizes, can be obtained from:

## ARMSTRONG CORK COMPANY LTD

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Tel: Colindale 7080

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## ALL-BRITISH FIRM

have pleasure  
in announcing that:—

## RONCHOVYDRIN

is back on the  
BRITISH MARKET

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XEMPT from PURCHASE TAX

★

This Inhalant for the Treatment of  
asthma is now Obtainable from the

Manufacturers and Sole Distributors:—

**RONCHOVYDRIN (1945) LTD.**  
WESTWOOD ROAD • BARNES • S.W.13



The Speedy  
Profit Make  
**Fennings'**  
CHILDREN'S  
Cooling  
POWDERS

THE 100's AND 240's ARE AVAILABLE IN SHOW PACKS

Please address Orders & Enquiries to your Wholesaler or if in difficulty write to—

**ALFRED FENNINGS • HORSHAM • SUSSEX • (formerly of Cowes I.O.W.)**

## F. H. STEELE & Co. Ltd.

*Manufacturing Chemists*

BLACKROCK • DUBLIN

Now offer wide range of

MEDICATED PASTILLES  
LOZENGES • TABLETS  
CORDIALS & SQUASHES  
CHEWING GUM (including  
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CONFECTIIONERY AND  
TOILETRIES

*Specially made and attractively  
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All products of highest standard  
manufactured under ideal conditions

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**SURE-SELLING STOCK**  
OVER 150 YEARS REPUTATION  
**KEARSLEY**  
THE ORIGINAL  
**WIDOW WELCH'S PILLS**  
9d. BOX PROFIT by ordering 1 doz.  
3/3½ size. Bonus box given on each  
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**C. & G. KEARSLEY LTD**  
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Est. 1787

## G. O. WOODWARD & Co. Ltd.

Specialists in the manufacture of  
**COMPRESSED MEDICINAL TABLETS**  
HOME & EXPORT  
ENQUIRIES INVITED

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Telephone: MACAULAY 4375

# The Knox Policy

The policy of the Knox Laboratories Ltd., has always been one of creating product confidence by giving users an assurance of satisfaction.

Today, in the National and Provincial Newspapers, in the wide range of Periodicals and Magazines, on the Posters in Trains, Buses and on Station Platforms—in fact in all our Nation-wide advertising the substance of following guarantee of honest trading and straightforward dealing appears.

## MAKE THIS TEST

To prove that Cystex may be the very medicine you need to put you on the road to better health than you have had for a long time, get Cystex from your chemist today, price 1/7. This will enable you to see how quickly Cystex gives relief and benefit to health. If difficult to obtain, write giving chemists' name and address to Knox Laboratories Ltd., 29 Duke St., St. James's, London, S.W.1.

Both Cystex and Mendaco are considered of great therapeutic value; do all that is claimed for them, and act quickly. That is why these medicines are so often recommended by one sufferer to others.

Supplies through your usual Wholesaler.

**Cystex**  
THE KIDNEY TONIC

For KIDNEYS, BACKACHE  
RHEUMATISM

**Mendaco**

For ASTHMA  
BRONCHITIS, HAY FEVER

KNOX LABORATORIES LTD.,  
29 DUKE ST., ST. JAMES'S, LONDON, S.W.1

Phone: Regent 4562

# ST. ANDREW MILLS LTD.

the speciality paper makers and producers of  
*entirely BRITISH MADE* toilet tissues.

Although it is apparent that the general paper supply position has improved, the high grade wood pulps from Scandinavia from which we produce the paper for the various well-known brands of our Toilet Tissues are regrettably still in short supply. We sincerely hope that Scandinavian pulp supplies will shortly improve and exchange difficulties will be overcome so that we will be enabled to fill our converting machine capacity and at long last do something to satisfy the huge demand for our products.

In the meantime we are most grateful to our old customers and to the hundreds of potential-customers for their patience and understanding of our unique and most difficult position.

## ST. ANDREW MILL'S PRODUCTS include:

		RETAIL PRICE (incl. Pur Tax)
ANDREX	The softest Toilet Tissue—made entirely of the purest materials.	$1/0\frac{1}{2}d$ per roll
ANDROL	A glazed paper of high quality	$1/1\frac{1}{2}d$ , , "
STANEX		$1/0d$ , , "
MARVO		$9\frac{1}{2}d$ , , "
SAMARITAN		8d , , "
ANDREX PAPER KITCHEN TOWELS (Now free of Purchase Tax)		$1/9d$ , , "
STANEX PAPER HANDKERCHIEFS ( $45$ handkerchiefs per packet of) (Now free of Purchase Tax)		$7\frac{1}{2}d$

*Wholesale only:*

**ST. ANDREW MILLS LTD.**  
WALTHAMSTOW, E.17

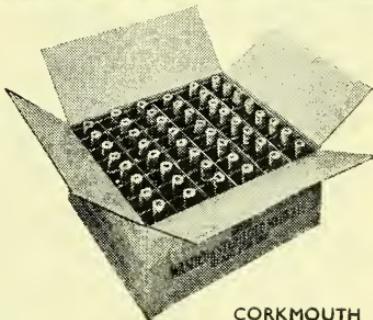
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*The Complete Service*

**WASHED AND  
STERILIZED  
READY FOR USE**



FITTED  
KORKALITE,  
MOULDED OR  
ALUMINIUM CAPS



CORKMOUTH

**UGB**

**UNITED GLASS BOTTLE  
MANUFACTURERS LTD.**

8 LEICESTER STREET, W.C.2

Tel.: GERRARD 8611 (15 Lines) Grams: UNGLABOMAN, LESQUARE, LONDON

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*The line of a  
Life-time!*

Make

a Big Show of

LIFEGUARD

REGD

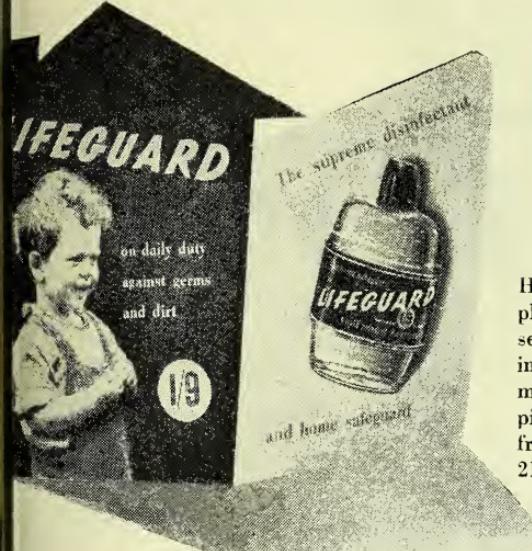
Housewives up and down the country are calling out for Lifeguard for a hundred and one jobs in and around the home.

Lifeguard is powerful—stronger than carbolic acid yet absolutely safe, non-poisonous, non-corrosive and non-staining. Your customers will appreciate its pleasant fragrance.

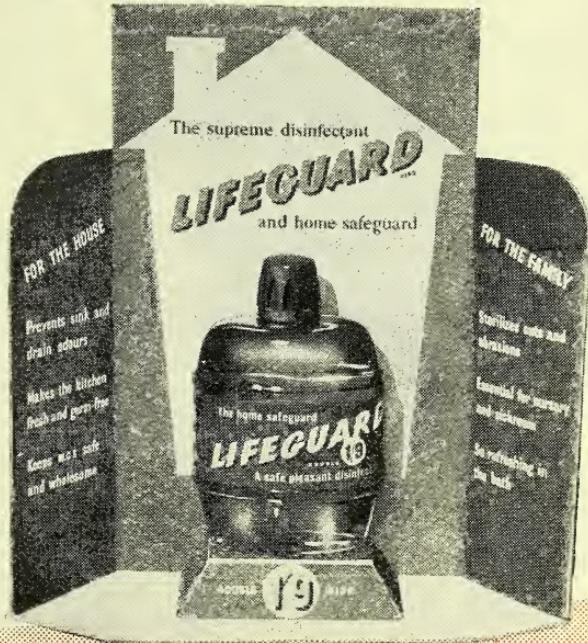
At 1/9 a double-size bottle, Lifeguard is beating the band for quick sales and steady repeat orders. Mobilise your stocks and capture your share of this profitable trade.

LIFEGUARD PRODUCTS LTD · 21 WATLING ST · LONDON · E

## FREE DISPLAY MATERIAL



Here are two first-class, colourful display units, which, plus the attractive, sell-on-sight bottle will put Lifeguard in the front rank of your profit makers. These and other display pieces and leaflets, are available now from Lifeguard Products Limited, 21 Watling Street, London. E.C.4.



Look for  
wide spread  
**LIFEGUARD**  
advertising

A big circulation national  
provincial papers, illus-  
trated and women's papers.



# Eyebaths

of superlative quality and  
design in White Flint, Actinic  
Green or Deep Blue.



fashioned in glass by

**WOOD BROTHERS**

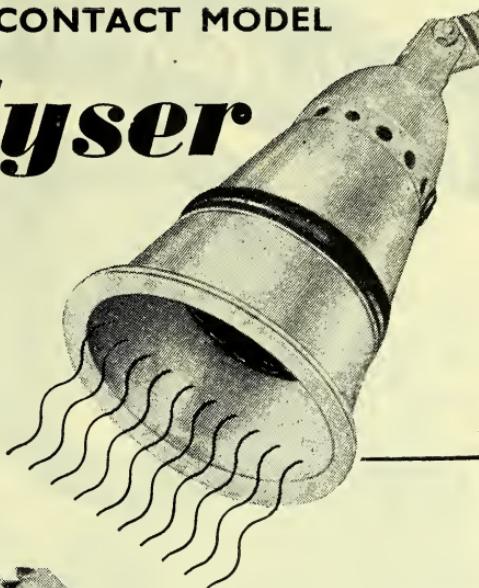
of Barnsley in Yorkshire

Makers of fine glassware since the year 1828

INTRODUCING THE CONTACT MODEL

# Infradyser

*infra-red lamps  
for home treatment*



- This new Contact Model Infradyser is for the infra-red treatment of rheumatism, sprains, backache, etc., and for other complaints under medical supervision.

This lamp is safe and economical. Consumption is 25 watts, and it can be plugged straight into any convenient electric point. The heat never exceeds a comfortable maximum. It is uniform, and there is no risk of burning. The hyperaemia induced may last up to 4/5 hours.

This is a new and interesting line for chemists, and is reasonably priced at £2.18.9d. (incl. 11/9d. Purchase Tax). Literature and display material available. State voltage when ordering.

## AEROSOLS LIMITED

# Reduction in Trade Prices

Sold only  
in SEALED  
packets



SO EASY TO  
HANDLE & SELL  
THE ONLY RING  
ADVERTISED  
CONTINUOUSLY  
ORDER  
NOW

**RETAIL**  
6<sup>d</sup> A PACKET  
12 — 1 lb. or 10 — 2 lb.  
**TRADE & WHOLESALE**  
36 Packets and up at  
very generous terms  
SEND  
FOR  
PRICE LISTS  
NOW

MADE BY THE MAKERS OF THE FAMOUS SNAP CLOSURES  
**GRAHAM FARISH LTD.**  
BROMLEY, KENT. BRISTOL & MANCHESTER



HERE'S YOUR  
NEXT  
CUSTOMER  
FOR



Warming, soothing relief for Backache, Rheumatism, Lumbago, Sciatica and pains in the kidneys, chest or limbs. A complete treatment in one plaster.

MADE IN ENGLAND BY

**Johnson & Johnson**  
IGT. BRITAIN LTD.  
SLOUGH & GARGRAVE

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*for the first time in this Country*

**Antiphlogistine**



**HUMAN AND  
VETERINARY**

*Extra discount on  
minimum order for £5.*

on the

**P.A.T.A.**

**THE DENVER  
CHEMICAL  
MFG. CO.**

12 Carlisle Road, London, N.W.9

FOR EVERY MONTH OF THE YEAR  
**"ZEMS"**  
**HERBAL LICORICE TABLETS**



THE BEST MEDICATED TABLETS FOR  
COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

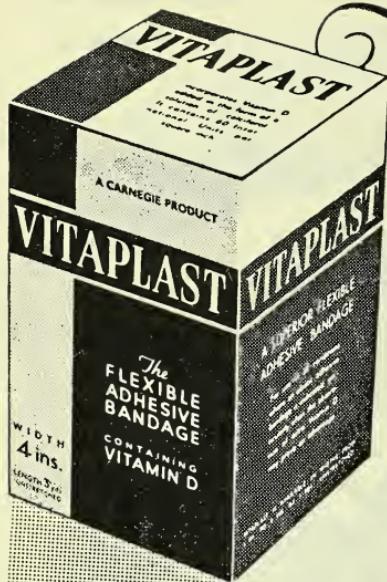
Supplies may be obtained



from C.F. Wholesale Houses

**Z E M S   L T D**

**718-724 Seven Sisters Road, London, N.15**  
Telephone: STAMFORD HILL 6658-9



The flexible adhesive  
**BANDAGE**  
containing **Vitamin**

For use in all conditions where an elastic adhesive bandage is indicated, particularly when the absorption of extra vitamin D may prove an advantage. VITAPLAST incorporates Vitamin D added in the form of a solution of calciferol. It contains 60 I.U. per square inch. Supplies of VITAPLAST are limited but we are endeavouring to give fair distribution. Your enquiries are invited.

In N.H.S. size

**2½" - 34/- D02**

**3" - 40/- D02**

Also available in other widths 1" to 4" by 3 yds. (unstretched)

A Carnegie of London product

CARNEGIE BROS. LTD., ESSEX ROAD, LONDON, N.1. Telephone: CLissold 4761 (4 lines)

## Dr. Hair's ASTHMA REMEDY

The proprietors of the above world-renowned remedy are pleased to announce that, owing to the improved position with regard to supplies, they are now able to satisfy all demands



Send your order to your usual wholesaler or direct, bearing in mind the additional 7½% discount for display on orders of £3 value.

**Dr. Hair's Proprietaries Ltd.**  
Stanwell Moor, Staines, Middlesex



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Ampouled Injections and Powder Ampoules in large small quantities. Specialist production under experienced Chemical and Medical supervision.

**MARKWELL, EDWARDS & CO. LTD.**  
589 HIGH ROAD, LONDON, N.12. Hillside 5882  
Telegrams: Ampuls, Norfitch, London

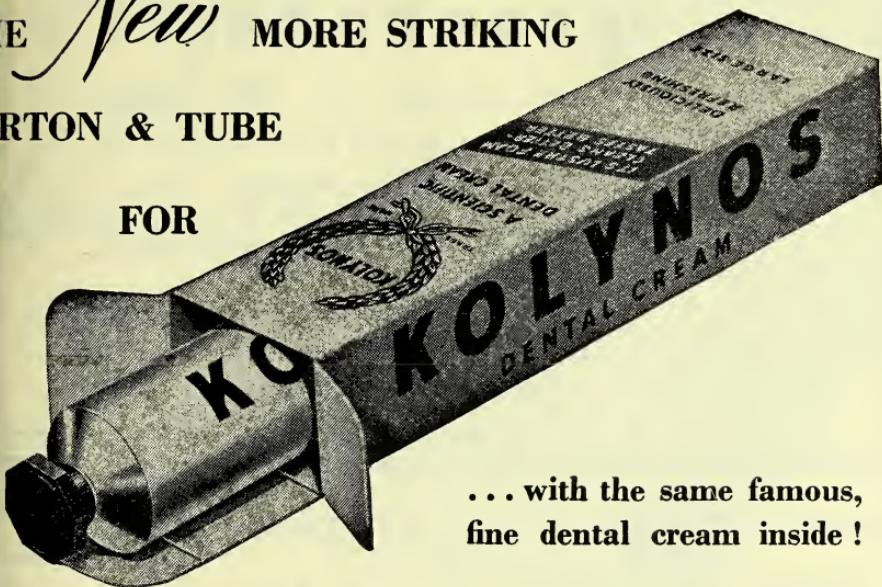
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URICURE TABLET OCCASIONAL PILL

THE ACTION PILL & TABLET Co. Ltd.  
ASH VALE, SURREY.  
By Mail Sundries Houses

*Announcing*  
*New* MORE STRIKING

CARTON & TUBE

FOR



... with the same famous,  
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In more attractive — even more striking — the new 'Kolynos' pack keeps the golden colour the public knows so well, a golden glow that turns all eyes to your window and then makes a sale from your counter or shelves!

No change in 'Kolynos' sizes. No change in prices. And the advertising campaign continues in all leading papers and periodicals, telling how the penetrating foam of 'Kolynos' cleans between teeth, makes teeth whiter, leaving the mouth so refreshed.

Make sure your 'Kolynos' stock is ready to meet the big demand. Order 'Kolynos' now . . .



All over the world  
millions use 'KOLYNOS'  
morning and night

# Liver Extracts

*The registered trade mark*

## "PERHEPAR"

*denotes Liver products of the highest standard and is a safeguard to the Physician, Pharmacist and Patient.*

*The result of 50 years specialisation.*

GEDEON RICHTER (GREAT BRITAIN) LTD.  
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BRAND

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FINE CHEMICALS  
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Telephone :  
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Cables :  
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Handmaid

protects hands  
against the dirt  
of daily work

Samples and prices  
will be sent gladly  
on application to  
the  
WESTBROOK  
LANOLIN Co.  
Subsidiary of  
Woolcombers Ltd.  
BRADFORD



# Profit and 'Lustrset'



-Profit for you, from a particularly good line that displays well and is selling well.

We are giving this setting cream immediate advertising in the National Press, so make sure the pack gets a display in your shop.

'Lustrset' insures easy, lasting setting after shampoo, rinse or 'perm'—prevents dryness or dandruff and leaves hair firm and glossy.

If you are not already a 'Lustrset' stockist send for fuller particulars NOW. People will be asking you for 'Lustrset'—as advertised.

The striking counter display box will sell 'Lustrset' on sight

## C A M I L A T O N E

CAMILATONE LTD. · WELSH HARP · LONDON · N.W.9

*Keen winds but keen health...*

Men-Lics aid breathing by warming the cold air in its passage to the lungs. They clear obstructions gently penetrating with their healthful warmth.

*Everbanks*

6d. per Packet (inc. P. Tax)  
Trade Terms on Application.

## "MEN-LICS"

EWBANKS LTD EAGLE WORKS · PONTEFRACT · YO

· JOHN KNOX · JOHN KNOX · JOHN KN

*A Line You Can Sell With Confidence*

## John Knox Rapid Cold and 'Flu Mixture

for

Head Colds, Influenza and  
all Feverish Conditions

Retail: 1/8 per bottle (Inc. Tax)

Trade: 10/- per doz., plus 33½ P.T.  
3 doz. 9/6      12 doz. 9/-

**JOHN KNOX (STOKE-ON-TRENT)**

Jaynox Works,  
King Street,  
Fenton,  
Stoke-on-Trent.

**P.A.T.A.**

John Kn  
(Midland) Ltd  
26/38, Dean St  
Birmingham,

· JOHN KNOX · JOHN KNOX · JOHN KN

**'NYLOS'**

The most efficient and hygienic Nail Brush. Long-life Nylon with attractive moulded plastic grip.

Retail price 4/6 including tax.

**BANDY HOLIDAY SIZE**

Single-Row Nylon in plastic pack!

Retail price 3/5 including tax.

**NYLOS DENTURE BRUSH**

favourite; designed for a proved thorough cleaning of any denture plate.

Retail price 2/5 including tax.

Wholesale enquiries to the sole manufacturers:  
**PARKER - HALE LTD.**  
BISLEY WORKS, WHITTALL ST., BIRMINGHAM, 4

## FOR THE INFORMATION OF

## PHARMACISTS

THIS

ANNOUNCEMENT

IS NOW

APPEARING

IN LEADING

MEDICAL AND

NURSING

JOURNALS

SAFE Persomnia  
TRADE MARK

## OR BARBITURATES?

The frequently reported losses of barbiturates announced by the B.B.C. are considered to be, more often than not, attempts by addicts to obtain additional supplies of the drug. The medical profession is therefore rightly reluctant to prescribe this drug frequently or for long periods.

*The best means to stop such undesirable practice is to restrict prescriptions of barbiturates to cases which are not likely to respond to other sedatives or hypnotics.*

Persomnia, a combination of two open-chain ureides—bromisovalerylurea and carbromal—has been proved by long clinical practice to be as effective as barbiturates in practically all cases in which a sedative or mild hypnotic is indicated. The preparation discloses a marked synergistic enhancement of effect as compared with the therapeutic value of the two component drugs individually employed.

\*Barbiturates are closed-chain ureides

Some of the advantages of PERSOMNIA over barbiturates are the following:

- Safety in use, even in doses largely in excess of therapeutic requirements
- Not habit-forming
- No after-effects
- No effect on the normal circulation
- Minimal risk of bromism
- No cumulative action
- Well tolerated
- Rapid absorption and excretion
- Induces quiet sleep without preliminary excitement

NOTE:—Persomnia has no official B.P., B.P.C., or N.(W.)F. equivalent.

Free clinical samples and literature will be gladly sent on request

CLINICAL PRODUCTS LTD.  
RICHMOND, SURREY, ENGLAND



For the usual attractive C.P.L. discounts and terms apply  
SOLE DISTRIBUTORS:

## MOORE MEDICINAL PRODUCTS LTD.

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Welbeck 5718/9

*Scotland & N. Ireland*

1 QUEENS TERRACE, ABERDEEN  
Aberdeen 6000/1



# DISPLAYS

*bring ALL your 'ASPRO' PUBLIC IN!*

It is only by continuous display that you will discover just how large 'ASPRO' demand is to-day. For the 'ASPRO' public grows ever greater. 'ASPRO' is proof against any "ups and downs" in the market—changes in purchasing power, fashions or habits. The success of 'ASPRO' is reaching unique proportions simply because it is a good product which more than fulfils its claims, and which is well, widely and persistently advertised.

## 'ASPRO' 5's NOW PACKED IN 6 DOZ. SHOWBOXES AGAIN

The easing of the supply position now enables us to revert to the pre-war 5's showbox of 6 dozen. At the same time we are reintroducing the pre-war minimum bonus quantities of 6 dozen 5's or 3 dozen 27's. Otherwise bonus terms remain unchanged as follows—

6 doz. 5's qualify for a bonus of 6 packets of 5's.

3 doz. 27's qualify for a bonus of 6 packets of 27's.

Provided that 14 days' window display is given.

Bonus quantities are pro rata for larger orders. All bonus is entirely free of cost to you. The 6 packets of 5's retail at 2/- and the 6 packets of 27's at 8/6, so—

**YOU GAIN OVER 32% EXTRA PROFIT WHEN YOU BUY THE TWO SIZES ON FULL WINDOW DISPLAY TERMS**

Made in England by  
**ASPRO LIMITED,**  
TRADING ESTATE,  
Slough, Bucks



## For the alleviation of RHEUMATIC AND MUSCULAR PAINS

The BUXTON RUBBING BOTTLE provides the continuous warmth essential to the relief of Nerve and Muscular pains. It is of assistance in the treatment of RHEUMATISM, LUMBAGO, SCIATICA, SPRAINS, STIFF JOINTS, UNBROKEN CHILBLAINS, Etc.

### The BUXTON RUBBING BOTTLE

Prepared by  
**BRADDOCK & BAGSHAW LTD., OLDHAM**

Distributed by

**FEMEX LTD.**

VICTORIA HOUSE, VICTORIA STREET, OLDHAM



## STANNING PROPRIETARIES

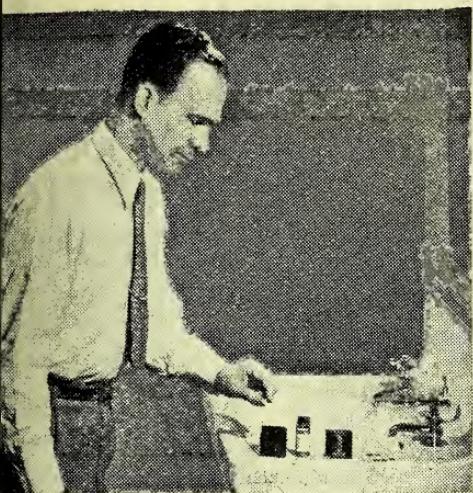
LIMITED  
32 ST. JAMES'S STREET, LONDON, S.W.1

SURGICAL DRESSINGS

TABLETS & PILLS • CHEMIST SUNDRIES

Sole Proprietors of Stannex Packed Pharmaceuticals

P.A.T.A.

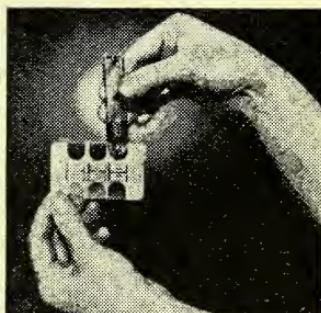


# New 1-minute urine-sugar tablet test - **CLINITEST**

**EXTERNAL HEATING · SIMPLE · SPEEDY · CONVENIENT · RELIABLE**

Every customer for insulin and other diabetic products will be interested in Clinitest. This one-minute tablet test has the approval of the Medical Advisory Committee of the Diabetic Association. It is based on the same chemical principles as the Benedict Test, *but requires no external heating*. All reagents are compressed in a single tablet which generates its own heat. The use of Clinitest is spreading rapidly as a result of advertising in the Medical Journals, The Diabetic Journal, and by personal recommendation.

**HANDY  
POCKET-SIZE SET**  
All essentials in this compact case.



Place five drops of specimen in the test tube; add ten drops of water.

2. Drop in one Clinitest tablet; allow thirty seconds for reaction.

3. Compare with the colour scale

**TEST SET (complete) 12/- · REFILL BOTTLE (36 tablets) 4/- · Clinitest is NOT subject to Purchase Tax.**

A supply of leaflets for distribution to purchasers of diabetic products will be sent with all orders. For complete information write to:

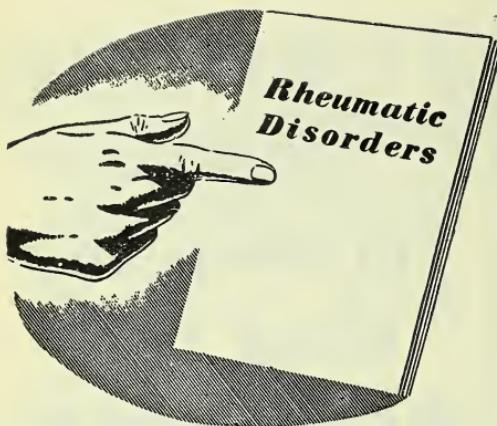
**DON S. MOMAND LTD.**

Sole Distributors for The Ames Company Inc.

57 ALBANY STREET, LONDON, N.W.1. Tels: EUS 1326 and EUS 2076

A PRODUCT OF THE AMES COMPANY INC. OF ELKHART, U.S.A.





## NEW BOOKLET FOR RHEUMATIC SUFFERERS

This is an authoritative treatise on Rheumatic complaints written in language that the layman can easily understand. Copies are now being included in both the 5/6d. and 26/5d. size Curicones Cartons, and supplies are also available to chemists FREE on request.

Mention is being made of this booklet in our National Advertising and readers are invited to ask their chemist for a copy. Make sure you have a supply of these booklets on hand.

If you require one of these Curicones booklets at short notice to comply with a request from a customer, please take one from a CURICONES CARTON.



### Weather-Indicating Novelty Showcards

Size 8 x 12 (approx.) Printed in bright, attractive colours. An excellent novelty and surprisingly accurate. So simply send us your name and address to obtain one.

**CURICONES**

Stephen Matthews & Co. Ltd., 19/21 Farringdon St., E.C.4

P.A.F.A.

# GREAT SUCCESS OF **BANDAG** for the treatment **RHEUMATIC CONDITIONS**



**33% OF ITS WEIGHT  
GIVEN OFF AS  
Methyl Salicylate**

Although the POLYESTOL BANDAGE has been in production for a month, word of mouth recommendations and national advertising have brought enquiries by almost every post... both from the public and the Trade. Certain medical journals and an appreciable number of doctors have expressed approval of this unique method of introducing Salicylic Acid continuously and cumulatively into a system by which speedy and effective relief is offered to sufferers from rheumatic conditions.

POLYESTOL BANDAGE has sixty hours of potent use in one to ten hour periods during which time it is established by physiologic tests, approximately 0.75g hour of Methyl Salicylate released by evaporation. It is a remarkable new treatment at least ten times more efficacious than any Oil of Wintergreen Liniment Ointment and will not stain clothes. Retail price £1.00 incl. P.T.



**POLYESTOL**  
TRANSPARENT  
**Pain-Relieving  
BANDAGE**

Trade Terms and full particulars from  
your usual Wholesaler or direct from:  
Manufacturers and Patentees

**POLYESTOL LIMITED**  
4-5 Warwick Court, High Holborn, W.C.1

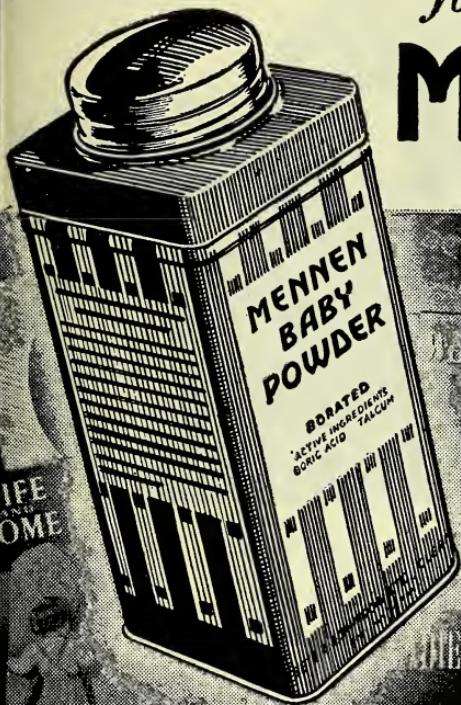
Scientific

**From now on—**

*you will be asked for*

# MENNEN

*The  
**BORATED**  
BABY POWDER*



The famous 'Mennen' Baby Powder is back. Made to the 'borated' American formula by Fassett & Johnson, Ltd. 'Cloud spun,' and containing Boracic Acid and Ultra-fine talcum, 'Mennen' is "Baby-Powder with a REASON."

From now on 'Mennen' advertising will appear in the principal Women's Magazines with Nursery interest.

#### TRADE TERMS & DISCOUNTS :—

Price to Public - - - - 1/5 each inc. of Purchase Tax

Price to Trade - - - - 9/6 per dozen

Purchase Tax 3/2 per dozen

5% quantity discount on 3 dozen. Carriage Paid.

*Made in England for the MENNEN COMPANY by*

**FASSETT & JOHNSON LTD**

CLERKENWELL ROAD, LONDON, E.C.1

NATIONALLY  
ADVERTISED  
TO MILLIONS OF  
MOTHERS IN:—

HOUSEWIFE

MOTHER

WOMAN'S JOURNAL

WELDONS  
LADIES' JOURNAL

NURSERY WORLD

MOTHER & HOME

WOMAN & HOME

WIFE & HOME

WOMAN'S OWN

WOMAN



## *And mind the Hansoms, Horatio*

JOSEPH ALOYSIUS HANSOM's safety-cab was still making a contribution to road safety in the 80's. The automobile was just beginning to splutter its way into history preceded by a man with a red flag. It was in these daring days that Scott's of Edinburgh entered the infant feeding field with M.O.F., but it has changed much since 1887. The same inventiveness and progressive spirit has remained an essential part of Scott's policy. Today, Scott's of Edinburgh provide a whole range of infant foods for mixed-feeding time.

### **SCOTT'S BABY CEREAL**

The ready-cooked baby cereal fortified with essential vitamins and minerals.

### **SCOTT'S M.O.F.**

In use for sixty years. Contains added iron, calcium, phosphorus and vitamin D.

### **SCOTT'S STRAINED FOODS**

**AND**

### **SCOTT'S BABY SOUPS**

A tempting variety of fruit, fish, meat and vegetable purees which helps to prepare baby's taste-sense for normal food.

# **SCOTT'S OF EDINBURGH**

A. & R. SCOTT LIMITED, COLINTON, EDINBURGH

Now in TWO  
strengths—

# LYNORAL'

ETHINYL OESTRADIOL

The most remarkable  
oestrogen known —

**FOR ORAL ADMINISTRATION**

DERIVED FROM THE **NATURAL OESTROGEN**

**EXTREME POTENCY MEANS MINUTE DOSAGE**

**WITHOUT SIDE EFFECTS**

**AT LOW TREATMENT COST**

*For all conditions where oral Oestrogen therapy is indicated*

Tablets of 0.01 mg. and 0.05 mg. (scored)

Tubes of 25. Bottles of 100 and 500.

Stocks are immediately available from all wholesalers or direct



**ORGANON LABORATORIES LTD.**

BRETTEBNHAM HOUSE, LONDON. W.C.2

TELEPHONES : TEMPLE BAR 6785/6/7 0251/2

TELEGRAMS : MENFORMON, RAND, LONDON

# Question of the Hour

*"what can you recommend for a Bad Cold"*

During the winter months, pharmacists are constantly being asked to supply a good remedy for an existing cold. Thousands of chemists recommend Serocalcin with confidence in the knowledge that it gives consistently satisfactory results in the treatment of the common cold.

The demand for Serocalcin is great, but stocks are ample at present. Please order early and thus ensure a good delivery service.

Pharmacists are reminded that the sole selling agents for Serocalcin in the United Kingdom are J. C. Eno Ltd., Watford, Herts. (Watford 7761) to whom all orders and enquiries should be sent.



P.A.T.A.

# SEROCALCIN

FOR THE PREVENTION AND TREATMENT OF COLDS

HARWOODS LABORATORIES LTD WATFORD HERTS



**IT PAYS TO STOCK  
BRISTOW'S BABY PRODUCTS**

As long as there are babies there will be a constant demand for 'baby preparations' and the best alone are good enough. That is why Mothers vote every time for Bristow's well-known and well-tried Baby Products. Order fresh stocks *now* for immediate delivery.

**IT PAYS TO DISPLAY  
BRISTOW'S BABY PRODUCTS**

The attractive 'baby pink' and blue packs will enhance the appearance of any show case or counter, and the name of 'Bristow' — recognised on sight — will sell itself. Display Bristow's Baby Preparations today and watch the results !

# Bristow's

**BABY SOAP  
BABY POWDER  
BABY CREAM**

# Pharmaceutical Glands for Medical Derivatives

By

GLAND SUPPLIES LTD.

3-7, Medlock St.  
Liverpool Road.

MANCHESTER 3

Tel. No.  
DEAnsgate, 5428-9

GROUND

**DRIED YEAST**

MIDGLEY & PARKINSON, LTD.  
WARREN WORKS, PUDSEY, LEEDS

BLYTON ASTLEY & CO., LTD.—

Eagle Laboratories

LOWER BROUGHTON, MANCHESTER  
thank their customers for their patience and forbearance during these difficult times, and assure them that every effort is being made to supply quickly lines which they have previously purchased

# MILLAMALT

Sole Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 I.U., D400)  
Leyland Mills, Wigan. London Dept. 19 Brookside Rd. N.I.U. PER FL. OZ.



Malt Extract with  
added Natural Vitamin

## TIN BOX MANUFACTURERS

(A large and old established firm)

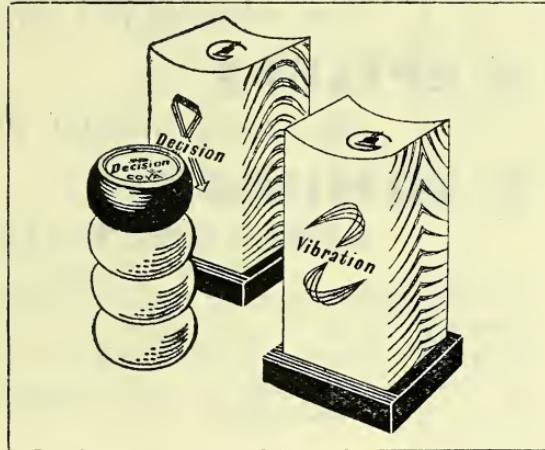
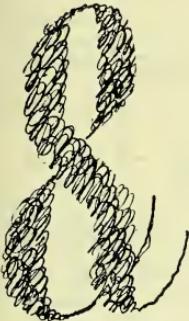
with modern up-to-date plant for the manufacture of all types of cans ranging from  $\frac{1}{2}$  Pint to 2 Gallon—for all trades—Paint, Varnish, Chemicals, Fluids, Powders—large output plain or decorated to customers requirements—are now in a position to quote for all sizes with guaranteed deliveries.

**ENQUIRIES INVITED. Box No. 5/640.**

## Sell 2 perfumes instead of 1

- Goya's new 'twin' perfumes, DECISION and VIBRATION, are complementary to one another—their fragrances mingle and harmonise.
  - DECISION, floral perfume for the daytime and VIBRATION, a sophisticated perfume for after-dark, will not clash. A woman can change from one to the other at a whim or even wear both together.
  - This exciting new idea of twin perfumes comes at a time when new interests and ideas are scarce so that something really new quickly makes an impression.
- Goya has planned a large scale national advertising campaign to tell women all

# Decision



# Vibration

about his new 'twin' fragrances, and for you he has had prepared attractive new display material, including a special counter testing stand.

- Distinctive new 'twin' packs have been specially designed for DECISION and VIBRATION and the handbag phials are presented in a combined display outer containing one dozen. Each phial is individually packed, then the cartons are cellophane together in pairs to help you to achieve the maximum number of two unit sales, although of course the perfumes may also be sold separately. Supplies of these new perfumes are now available. Ask Goya's representative for details, or write to

# PRODUCTS IN CONSTANT DEMAND

## ★ OPTABS

EYE LOTION TABLETS

## ★ INFLUCOL

ORAL VACCINE FOR THE COMMON COLD

## ★ EPISEPS

GERMICIDAL THROAT PASTILLES

## ★ SOMINOX

SLEEPING TABLETS

These established products are now marketed by the Parent Company, Optabs Limited, from their new premises at Kemtheutic House, Bradford. The simplification of ordering, invoicing and payment will greatly help our many friends in the profession.

Enquiries will be given our immediate attention.

**Optabs**  
**LIMITED**

Telephone : BRADFORD 28797 (10 lines)

Telegrams : KEMTHEUTIC, BRADFO



**MANESTY**

# TABLET MAKING MACHINERY

**MANESTY F 3 TABLET MACHINE**  
OUTPUT 85 PER MIN.  
TABLETS UP TO  $\frac{3}{4}$  DIAM.

**MANESTY HAND TABLET MACHINE**  
OUTPUT 100 PER MIN.  
FOR TABLETS UP TO  $\frac{5}{8}$  DIAM.

**MANESTY E 2 TABLET MACHINE**  
OUTPUT 85 PER MIN.  
FOR TABLETS UP TO  $\frac{2}{3}$  DIAM.

**MANESTY HAND COMPACT PRESS**  
OUTPUT 2000 COMPACTS PER DAY

**MANESTY CP 2 COATING PAN**  
STANDARD SIZE 30" DIAM.

**MANESTY B.B.3 ROTARY TABLET MACHINE**  
OUTPUT 1000-1500 PER MIN.  
TABLETS UP TO  $\frac{1}{2}$  DIAM.

**MANESTY N°2A TABLET MACHINE**  
OUTPUT 55-220 PER MIN.  
TABLETS UP TO  $\frac{1}{2}$  DIAM.

**MANESTY R.S.1 ROTARY TABLET MACHINE**  
OUTPUT 168-336 PER MIN.  
TABLETS UP TO  $\frac{3}{8}$  DIAM.



MAY 2-13  
OLYMPIA &  
EARLS COURT

SEE OUR EXHIBIT

## BRITISH INDUSTRIES FAIR 1949

**OLYMPIA**  
**Stands D21 and D22**

*Further new models  
will be on show*



**MANESTY ROTORGRAN OSCILLATING GRANULATOR**  
OUTPUT 150-224 LBS.  
PER HOUR.



**MANESTY MIXER**  
—  
CAPACITY 100 LBS.  
OF POWDER

**MANESTY B3 ROTARY TABLET MACHINE**  
OUTPUT 400-500 PER MIN.  
FOR TABLETS UP TO  $\frac{1}{2}$  DIAM.

**MANESTY D3 ROTARY TABLET MACHINE**  
OUTPUT 300-350 PER MIN.  
FOR TABLETS UP TO  $\frac{1}{2}$  DIAM.

**MANESTY N°3 TABLET MACHINE**  
OUTPUT 30-400 PER MIN.  
FOR TABLETS UP TO  $2\frac{1}{2}$  DIAM.

**MANESTY MACHINES LIMITED**

SPEKE, LIVERPOOL, 19.

TELEPHONE: HUNTS CROSS 1972

TELEGRAMS: MANESTY, LIVERPOOL

**YOU SHOULD STOCK  
THE FINEST SCURF REMOVING & SCALP  
CLEANSING SHAMPOO**

**NUCTA OIL**  
**THE SOAPLESS OIL SHAMPOO**



Can be recommended with confidence. Nationally advertised

**IN 8 oz. BOTTLES SELLING AT 3/10. 25/- per doz., plus tax**

**CARRIAGE PAID ON NET ORDER OF £2**

Obtainable from your Wholesaler or direct from the Manufacturers

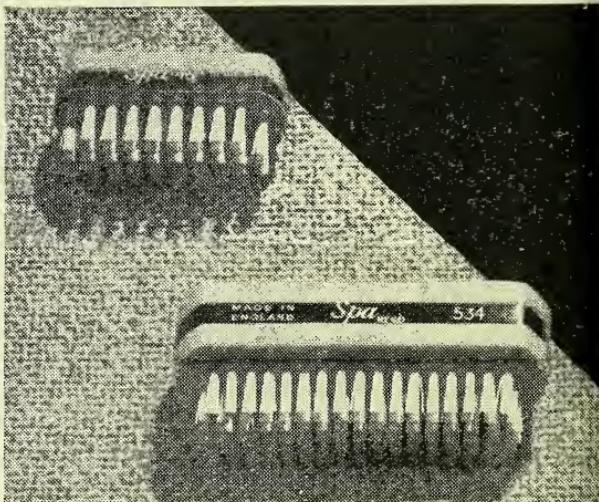
**STEWART, GOODALL & DUNLOP LTD**  
**121A PRINCES STREET, EDINBURGH**



We confidently recommend  
the two SPA Brushes pictured  
here as ready sellers.

You, on your side, can  
recommend them to your cus-  
tomers with equal confidence  
for their reliability. The name  
SPA on the brush is your  
guarantee—and theirs.

These SPA Brushes do not  
linger on your shelves. They  
move fast. And there's a good  
profit for you every time one  
goes over the counter. Sup-  
plies are now available.



Send for Combined Business Reply Price List/Order For

SPA BRUSHES LTD. Freeman Works, Chesham, Buck-



*For bottle fed Children  
& Invalids*

*Malted*

# SLIPPERY ELM FOOD



A nourishing food of high dietetic standard, containing the ground inner bark of *Ulmus fulva*. It makes an excellent body building food for bottle fed children, and a valuable food for invalids.

TWO SIZES. P.A.T.A.

1-lb. tins 2/3. 20/- doz.

2-lb. tins 4/-. 36/- doz.

No Purchase Tax.

## POTTER & CLARKE LTD.

60-64 ARTILLERY LANE, LONDON, E.1

Phone : BISHOPSGATE 4761

Grams : Horehound, Phone, London

77 DANTZIC STREET, MANCHESTER

Phone : Blackfriars 8734

Grams : Horehound, Manchester

## ERGOAPIOL (SMITH)

*We are happy to announce that ERGOAPIOL (Smith) is once again available in unlimited quantities. It is now manufactured in England with the authority and according to the formula of Martin H. Smith Co., and its high quality of before the War is fully maintained. The price to chemists is 57/6 plus 19/2 Purchase Tax per dozen.*

*THOS. CHRISTY & CO. LTD.*

A combination of Digitoxin (Digitaline Crystallisée)  
and Aminophylline in tablet form



*For the treatment of  
CONGESTIVE HEART FAILURE, AURICULAR FIBRILLATION  
CARDIAC ASTHMA*

Packings and Prices

		Retail (inc. P.T.)	Wholesale (excl. P.T.)
Vial of 50 Tablets	- - - - -	7/4	4/-
Bottle „ 200 „	- - - - -	26/7	14/6
„ „ 500 „	- - - - -	55/-	30/-

**THE ANGLO-FRENCH DRUG CO., LTD.**  
11-12, GUILFORD STREET, LONDON, W.C.1



## *Rocketing TO NEW RECORD SALES...*

ne and certain, neat and hygienic, the 'Methedrine' Inhaler is bringing brisk business to chemists who put it on display. It is the only inhaler on the market containing *d*-N-Methylamphetamine; it gives immediate and prolonged relief in colds and nasal catarrh.

Attractively cartoned, the 'Methedrine' Inhaler is supplied in display-outers holding 24. A special bonus gives one extra inhaler with each display-outer ordered. Striking showcards are available. Retail price of the 'Methedrine' Inhaler: 2/- plus 6d. tax.

**The 'Methedrine' BRAND Inhaler**  
for prompt relief of head colds and catarrh



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON

# For BACTERIOLOGICAL SUGARS



ARABINOSE · CELLOBIOSE · DEXTRINE (Prep. by precipitation) · DEXTROSE (Cryst. Anhydrous)  
DULCITOL · GALACTOSE · INOSITOL · INULIN · LACTOSE · LÆVULOSE · MALTOSE  
MANNITOL · RAFFINOSE · RHAMNOSE · SACCHAROSE · SORBITOL · SORBOSE · XYLOSE

THOMAS KERFOOT & CO. LTD. VALE of BARDSLEY, LANCASHIRE

OWING TO THE SUCCESS  
OF OUR RECENT OFFER WE HAVE DECIDED TO  
CONTINUE THE BONUS FOR A FURTHER PERIOD

TRADE **VALDA** MARK  
PASTILLES

A discount of 13/3 will be allowed on all orders  
for 7 dozen Valda Pastilles for Window Display

Send in your order for 6 doz. Valda Pastilles and  
you will receive 7 doz. and a credit note for the  
cost of 1 doz. This is the Valda Season—get your  
supplies NOW. Attractive show material supplied  
free with order

Your customers are looking for Valda

Retail  
**1/10 $\frac{1}{2}$**   
per tin

Wholesale  
**13/3**  
per doz.  
plus 33 $\frac{1}{3}$ % P.T.

*Wilcox,  
gozeau*  
E CO. LTD

74-77, WHITE LION ST. LONDON N.I.

ESTD. OVER 100 YEARS

19. TEMPLE BAR, DUBLI



The

# THE CHEMIST AND DRUGGIST

for RETAILER—WHOLESALE—MANUFACTURER

FEBRUARY 12, 1949

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone : Central 6565 (10 lines). Telegrams: "Chemicus, Strand, London."

copies 1/- each. Annual subscription, which includes *The Chemist and Druggist Diary and Year Book*, 30/-

No. 3599

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## NEWS OF THE WEEK

**levy for Expenses.**—National Health Service contractors in Scotland are being asked to contribute to the expenses fund the Pharmaceutical General Council (England) and the Pharmaceutical Standards Committee (Scotland) an amount equal per cent. of the payments received by Executive Councils.

**Power to Attend Whitley Councils.**—General Council of the Whitley Councils for the Health Services (Great Britain) has agreed that members of the staff of any of the employing authorities represented on the Councils who have been appointed to represent their trade unions or professional organisations should be given facilities (including special paid leave) to attend meetings of the Councils, their committees, and the staff sides. The expenses of staff representatives are to be met by their organisations.

**Out-patients at Hospitals.**—In a circular issued to Regional Hospital Boards and Hospital Management Committees by the Minister of Health it is recommended that no one whose case is suitable for

treatment by a general practitioner (except emergency cases, patients needing specialist supervision over a period, those under treatment for venereal diseases who wish to take advantage of the confidential nature of the hospital services, and patients whose attendance is desirable for medical teaching or research) should continue as an out-patient at a hospital.

**Poisons Notice Amplified.**—A previous notice of proposed amendment of the Poisons List and Rules (see *C. & D.*, January 8, p. 34) has been amplified and corrected by the Home Office in a further notice. Agricultural and horticultural insecticides and fungicides containing dinitrocresols and certain phosphorus compounds are to bear the following indication of character:—

**Caution.** This substance is poisonous. The inhalation of its vapour, mist, spray or dust may have harmful consequences. It may also be dangerous to let it come into contact with the skin or clothing.

Rules 17, 29 and 30 cited in the earlier notice are corrected to Rules 18, 30 and 31 respectively. Rule 30 is not now to

be amended. Instead, provision is to be made for the form of application to be endorsed by the local authority in such a way that a note setting out the law relating to the sale of Part II poisons (part of the form) may be detached and returned to the applicant.

**Appliances Under N.H.S.**—The Ministry of Health has issued a reminder to doctors that only appliances named in the Third Schedule to the National Health Service (General Medical and Pharmaceutical Services) Regulations, 1948, may be ordered on form E.C.10, and that chemists are not authorised to dispense prescriptions for appliances not named in that list. Other medical and surgical appliances may be supplied through the hospital service where considered necessary by a specialist, and a doctor who thinks his patient needs such an appliance should refer him, says the Ministry, to the appropriate hospital. Local health authorities may also have arrangements, states the memorandum, for the loan of sick-room equipment (e.g. bed-pans, urinals, mackintosh sheeting, feeding cups, air rings and bed cradles, and possibly larger items such as water beds, bed-rests or commodes) to patients being nursed at home, usually through the local nursing services. For expectant mothers confined at home, local health authorities supply maternity outfits.

**Analgesics in Midwifery.**—A recommendation that the Medical Research Council should be asked to set up a committee to find, as quickly as possible, a safe analgesic agent for use in midwifery, and to devise light, simple and easily maintained apparatus for its administration, is contained in a report issued recently by a Working Party on Midwives established by the Ministries of Health and Labour and the Department of Health for Scotland. The report points out that, though all midwives qualifying since 1946 had received instruction in the administration of nitrous oxide and air, many of the older midwives had been prevented from taking that instruction. Trichlorethylene was a more efficient analgesic, but when it was administered by the present type of apparatus (less cumbrous than that for nitrous oxide and air), accidental overdoses could be given. The analgesic could not be recommended, therefore, for general use by midwives. The problem in the use of trichlorethylene was essentially, suggests the report, one of improving the apparatus. (Comment, p. 209).

## LOCAL NEWS

**Representatives' Conference.**—A conference of representatives of the European branch of Parke, Davis & Co., was held at Richmond, Surrey, January 19-21.

**Chesterfield Rota Arrangements.**—A rota scheme prepared by the Chesterfield Chemists' Association has been approved by the Derbyshire Executive Council. A similar scheme, providing for service hours and on Sundays and bank holidays, has been in operation since 1915.

**Assistants Give First Aid.**—When a car skidded and crashed into the window of Boots, Ltd., Camden High Street, London, N.W.1, on February 7, first aid was given to injured pedestrians by assistants from the shop. Five of the injured were later detained in hospital.

**Public Pharmacists' Dinner.**—Sir Peter Thompson (chairman, Newcastle Regional Hospital Board) was principal guest at the first annual dinner of the Tees Wear and Tees branch of the Guild of Public Pharmacists held in Newcastle on January 21. Mr. D. Currie (president of the Guild) was in the chair.

**Saturday Afternoon Trading.**—The results of a census of Saturday afternoon trading taken by the Halifax Chamber of Commerce have recently been published. The census covered a variety of trades and showed Saturday afternoon sales between October 23 and November 13, 1948, as a percentage of the total sales for the appropriate week. The figure for chemists' shops was 17.3 per cent. against an average for all trades of 23.6 per cent.

**Former Directors Honoured.**—The directors of The British Drug Houses, Ltd., held a dinner in London on February 11 in honour of their colleagues, Dr. Francis Carr, C.B.E., F.R.I.C., and Mr. R. Bennett, B.Sc., F.R.I.C., whose retirement from the board of the company was announced recently (C. & D., January p. 39). In proposing the health of the guests of honour, Mr. Geoffrey Eley, C.B.E. (chairman of the company) referred to outstanding contributions they had made to the development not only of the company but also of the pharmaceutical and fine chemical industry of the country.

**Chester Lecture on B.P.**—A lecture on the British Pharmacopoeia, 1948, was given to the Chester Branch of the Pharmaceutical Society on January 28. The speaker, Professor H. Brindle, traced the history

B.P., referring to increased representation of pharmacists on the Pharmacopoeia Commission. The number of tinctures and extracts included had been further reduced, said, in conformity with the modern tendency to use single specific substances. The rapid advance of knowledge had made some monographs out of date before the Pharmacopoeia became official. A vote of thanks to the speaker was proposed by Mr. Beard and seconded by Mr. O. chard.

**Romford Branch Dinner.** — The Romford Branch of the Pharmaceutical Society held its fourth annual dinner and dance at Grays on January 20. Private transport had been arranged from Romford, and forty-six members and friends were present. Dr. Norman McFarlane, M.B., B.S., Grays, proposed "The Romford Branch." In reply, the chairman (Mr. G. Jordan) described briefly some of the difficulties arising from the increased National Health Service dispensing, then presented the Richard Jordan memorial trophy for the members' annual competition to Mr. E. V. Thomas, despite the efforts of the handicap committee, had succeeded in winning trophy for a second time.

**Local Talent" at Leeds.** — At a meeting of the Leeds Branch of the Pharmaceutical Society on January 17, several short talks were given by members of the committee. Mr. I. Beaumont gave his experiences as a prisoner-of-war after capture at Dunkirk (he was chosen by lot to go behind and look after patients too ill to be evacuated). The Germans, said Mr. Beaumont, had had a great fear of epidemics, particularly of typhus, and a small hospital had been built near the prisoner-of-war camp in readiness for any break. Mr. E. S. Mitchell, the next speaker, urged close co-operation with the medical profession, and described the medical uses of penicillin and the sulphonamides. A third talk, on habit-forming drugs, was given by Mr. H. Judge.

**Lea for "Positive Health."** — Speaking at a meeting of the East Metropolitan Branch of the Pharmaceutical Society on January 26, Dr. C. Leonard Williams, medical officer of health for Barking, described himself as the son of one of the best living pharmacists. He thought that the retail pharmacist had a part to play in State medicine in the separation of minor ailments from serious complaints, decline in the art of prescribing mat-

tered little as, in his opinion, medicines were "not much use," and he urged chemists to become "red-hot gospellers" for the idea of positive health. They should stress the value of air and sunshine in establishing resistance to infection. He thought health centres would be equipped with ground-floor dispensaries, opening directly on to the street, with a pharmacist in charge of all supplies. His work, which would be entirely professional, would include some at present done by pathologists. A vote of thanks to the speaker was proposed by Mr. S. T. James, Walthamstow, and seconded by Mr. R. Miles, Barking. Mr. R. B. Davies was in the chair.

**"Spiv Chemists" Criticised.** — In the discussion that followed an address by Mr. H. N. Linstead, O.B.E., M.P. (a secretary of the Pharmaceutical Society) to Liverpool Chemists' Association on February 4, members complained that companies in which often only a single share was owned by a pharmacist were entering pharmacy as "spiv chemists" because, it was thought, there was profit to be made. "One day they are old-gold merchants or racecourse touts," said one speaker, "and the next day they have opened a shop, put on a white coat and are advising people." Solutions suggested included boycott of wholesalers who supplied such businesses, limitation of the number of



**BLACKPOOL DINNER.** — The committee of the junior section of the Blackpool Branch of the Pharmaceutical Society photographed at a dinner and party held on January 26. Front row, left to right, Mr. G. Barker (vice-president), Miss J. M. Westwood, Mr. R. Stuttard (president) and Miss L. I. Anderson (secretary). Back row, left to right, Messrs. J. W. Blundell, J. W. Croker, F. Harrison and A. W. Stark.

pharmacies according to population, and refusal to admit to membership of the National Pharmaceutical Union companies in which a majority of shares was not held by pharmacists. Mr. Linstead warned that boycott of wholesalers might offend against the law of conspiracy and the exclusion of the criticised companies from the N.P.U. might do more harm than good. Any scheme for the limitation of pharmacies (which would necessarily involve a system of standards) would be a serious matter and Mr. Linstead thought the Government would not easily be persuaded to introduce such a scheme.

## IRISH NEWS

**Chemists' Rugby Club.** — The Irish Chemists' Rugby Club has not been beaten in any of fourteen matches played since the end of October 1948. Fixtures still to be played include:—Enniscorthy, February 13; Tullamore, March 27; Belvedere (Anglesea Road, Dublin), February 20; Carlisle (Parkmore Drive, Terenure), February 27; St. Mary's College (Kimmage Grove), March 6.

**1949 Calendar and Register.** — The 1949 Calendar of the Pharmaceutical Society of Ireland, published recently, gives the following totals of names on the Society's register at October 1, 1948: Pharmaceutical chemists, 1,797; chemists and druggists, one; registered druggists, 415 (including 189 qualified as pharma-

ceutical chemists with the Society or Pharmaceutical Society of Northern Ireland); associate druggists, forty-one; assistants to pharmaceutical chemists, 1, (including 798 qualified as pharmaceutical chemists).

**Ulster Associates' Committee.** — A meeting of the associates' committee of Ulster Chemists' Association in Belfast January 27, two new students' representatives (Messrs. T. W. Creswell and D. Wylie) were co-opted to the committee. The following applications for association membership were agreed:—Assistants, M. G. Greene and Miss Helen C. Moore; apprentices, Messrs. Robert Graham and J. Miller. A discussion took place on proposed increased scale of wages.

**Dublin Examination Results.** — The following candidates were successful in recent Licence examination held in Dublin by the Pharmaceutical Society of Ireland:—E. B. Corbett, J. D. M. Delaney and Margaret P. Neavyn. In the Assistant's examination the following were successful:—Josephine B. C. Jones, Bridie E. Gavaghan, J. Hardiman, Catherine Tobin, Kathleen T. J. Martin, Philomena Feehan, E. Walker, Anne O'Connor, Duffy, J. M. O'Brien, Elizabeth J. Dilley, J. M. Fitzgerald, M. F. Collins, Clare Tuite, J. Staunton, Christina P. Cash, Mary Quigley, Elizabeth M. Keane, J. S. Madden, Margaret M. Brien, J. Jordan, and Bridget E. Brady.



**PRESENTATION OF CERTIFICATES AT BELFAST.**—Successful entrants to the recent Final examination of the Pharmaceutical Society of Northern Ireland photographed at the presentation of their certificates by president (Mr. H. H. Cowzer). Also in the picture are the following members of Council: Messrs. J. McDowell, P. R. W. Skinner (vice-president), John McGregor, Charles Abernethy, H. Crossin and H. Gamble, Professor E. B. C. Mayrs, Messrs. W. H. Boyd, H. F. Moore and William Gorman (secretary).

## TOPICAL REFLECTIONS

### Mallinson's Retirement

Widespread regret will be felt that Mr. A. Mallinson has found it advisable, on account of his health, to relinquish the post of secretary and manager of the National Pharmaceutical Union and its allied organisations (p. 174). Mr. Mallinson purchased a business in a Manchester street in 1904. Between that date and now, when he disposed of his pharmacy, took up an appointment at the Pharmaceutical Society's headquarters, he rendered notable service to his Manchester colleagues in more than one capacity. On formation of the National Pharmaceutical Union (first named the Retail Pharmacists' Union) in 1920-21, his experience in superintending the checking of the Local Associations Executive made him the natural choice for the post of secretary. Pharmacy owes much—more, probably, than is generally realised—to

N.P.U. secretary's blending of soundness with carefully timed expansion of the Union's activities. Though it appears that negotiations under the National Health Insurance Act and its successor have taken a leading place in the reports of the Union's committee, this is only one of several subjects handled with skill and firmness by the secretary and his colleagues during the twenty-eight years. It is of interest to recall that early in the recent war Mr. Mallinson circulated a kind of manifesto in the form of five articles setting forth in which, he considered, pharmacy should to a great extent control its development. (The articles were summarised in issue of October 4, 1941). Mr. Mallinson may be assured that all of us who have watched his career sympathetically wish him many happy years of leisure.

### Conferences in Liverpool

Mr. J. L. Hirst's lecture to members of Liverpool Chemists' Association and branch of the Pharmaceutical Society, reprinted on p. 173, contains a useful collection of facts about this important city. Liverpool, with its magnificent waterfront and its fine public buildings, an ideal city for meetings of the British Pharmaceutical Conference: brief notes on the first three of the four Conferences there may accordingly be worth adding to your report. (The fourth meeting, in 1937, is fresh in memory). The

Conference met in the city for the first time in 1870, seven years after its formation. The president was Mr. W. W. Stoddart; the general secretaries were Professor John Attfield and Mr. Richard Reynolds. That year was marked by the appearance of the first volume of the Year Book of Pharmacy, under the joint editorship of Mr. J. C. Brough (then Editor of THE CHEMIST AND DRUGGIST) and Mr. Joseph Ince. Contributors to the proceedings included such well-known pharmacists as F. Baden Benger, Thomas Greenish, W. A. Tilden and William Martindale. At the meeting in 1896 Mr. Martindale presided; the general secretaries were Mr. W. A. H. Naylor and Mr. F. Ransom. Again the list of contributors comprised some distinguished names—for instance, E. H. Farr, Robert Wright, J. C. Umney, F. C. J. Bird and A. C. Abraham. The attendance at the meeting in 1920 was about 500, the largest till then except for the jubilee meeting in 1913. Mr. C. A. Hill was president; the general secretaries were Mr. R. R. Bennett and Dr. C. H. Hampshire; and Mr. H. Humphreys Jones was chairman of the Local Committee.

### Pelletier and Caventou

The publicity given to the proposed monument to the French pharmacists Pelletier and Caventou (p. 164) will, I trust, meet with a response in the form of donations from British pharmacists. For the honour of science a new monument should be erected, and by international contributions. When we consider the state of chemistry in Europe in the early nineteenth century, the achievement of these two pioneers is the more remarkable. Joseph Pelletier (1788-1842) was the son of a Paris pharmacist: Joseph Bienaimé Caventou (1795-1877) carried on a business in the same city. The path to their joint research in the chemistry of cinchona had been to some extent prepared by previous investigators, who in a less condensed paragraph than this could receive individual recognition. It was in 1820 that Pelletier and Caventou succeeded in isolating a cinchona alkaloid which they named quinine. Other chemists, including Pasteur, afterwards took up the subject of cinchona alkaloids. The only public reward accorded to the discoverers of quinine was, as far as I am aware, the Prix Monthyon,

Xrayser

## DEATHS

**ATHRON.**—On January 26, Mr. Walter Athron, M.P.S., 149 The Grove, Wheatley Hill, Doncaster, aged sixty-nine.

**CANNON.**—The funeral took place at Efford Crematorium, Plymouth, on February 3, of Mr. Herbert Henry Cannon, M.P.S. (see *C. & D.*, February 5, p. 167). Many pharmacists and medical men from Devon and Cornwall attended the service, including Mr. H. G. Coulter (chief pharmacist, South Devon and East Cornwall Hospital, Greenbank), Messrs. R. Ramsden (chairman) and A. Madge (secretary, Plymouth Branch of the Pharmaceutical Society), Messrs. H. Jory and A. C. Cannon (chairman and secretary of the Cornwall Pharmaceutical Committee), and Mr. Bryan (City hospital). Mr. Cannon, for fourteen years chief pharmacist at the former Prince of Wales Hospital, Greenbank, was well known throughout Cornwall. Apprenticed at Liskeard, he gained experience at Bridgwater and Bournemouth before passing the "Minor" in 1902. He then went to Plymouth, and for some years acted as secretary to the Three Towns Chemists' Association, raising the numbers and activities of that body to the highest level. Leaving Plymouth, he purchased a business in Penzance, where he took an active part in pharmaceutical affairs (he was chairman of the Pharmaceutical Committee from its inception until he left the county, and for a time a member of the county Insurance Committee). After 21 years at Penzance he retired to Plymouth. Shortly afterwards he was appointed to fill a vacancy on the staff of the Prince of Wales Hospital, Plymouth. He reorganised the hospital "dispensary" (a small room with little equipment), and co-ordinated the dispensing arrangements of the three Plymouth hospitals, raising their status to that of a "pharmaceutical department." On his retirement from the position of chief pharmacist in July 1948, owing to ill-health, he was the recipient of many presents, including a gold wristlet watch from the medical staff.

**POTTER.**—On February 3, Mr. Henry Arthur Potter, Ph.C., F.L.S., 33 Thorpe Bay Gardens, Thorpe Bay, Essex, formerly chairman and managing director of Potter & Clarke, Ltd., London, aged seventy-four. Mr. Potter had served the firm founded by his great-grandfather for over fifty years. He qualified as a Pharmaceutical Chemist in 1895, became a partner in 1896, a

director in 1907, and chairman of the company in 1928. He is survived by his widow.

**TIMONEY.**—In Dublin on January 11, Mr. Michael Joseph Timoney, M.P. (see *C. & D.*, January 14, p. 167). Mr. Timoney, who qualified in 1907, carried on a pharmaceutical business at 9 Lower Dorset Street, Dublin, for nine years. He was a brother of Mr. Frank Timoney, M.P.S.I., 60 Capel Street, Dublin, and an uncle of Mr. Richard Feeney Timoney, M.P.S.I. (a gold medallist of the Royal Pharmaceutical Society) who is in charge of the Pharmaceutical Society's school of pharmacy in Dublin. At the funeral, which took place from the Jesuit Church, Gardiner's Street, to Glasnevin Cemetery, the Society was represented by Mr. P. A. Brady (president), and the Irish Drug Association by Mr. Brendan R. Smith (secretary).

**WILSON.**—On January 23, Mr. William Wilson, 15 Telford Avenue, Streatham Hill, London, S.W.2, aged eighty. Wilson qualified as a chemist and druggist in 1890 and passed the Pharmaceutical Chemist examination the following year. He was in business at Brixton, London, forty years prior to his retirement in 1930.

## WILLS

MR. H. A. FELL, M.P.S., 20 Beltinge Road, Herne Bay, Kent, left £2,843 (£2,802 net).

MR. DONALD PHILIP, M.P.S., 49 Milton Road, Hanwell, London, W.7, left £2,177 (£2,074 net).

MR. F. H. NEWTON, retired pharmacist, Castle Road, Salisbury, left £9,873 (£9,671 net).

MR. R. L. DAVIS, M.P.S., 55 West Street, Epsom, Surrey, left £2,256 (£1,918 net).

MR. F. W. HORNY, M.P.S., 57 Parkfield Drive, Anlaby Road, Hull, left £2,548 (£2,508 net).

MR. G. G. MARSHALL, M.P.S., 286 Chillingham Road, Newcastle-on-Tyne, left £7,881 (£7,800 net).

MR. G. HENLEY, retired pharmacist, 27 Burnham Road, Hastings, Sussex, formerly of 1 Regis, Dorset, left £10,444 (£8,133 net).

MR. A. MARSLAND, M.P.S., 160 Curzon Road, Ashton-under-Lyne, Lancs, left £7,983 (£7,900 net). He left £50 to the Benevolent Fund of the Pharmaceutical Society.

MR. REGINALD MURDIN DRAKE, O.B.E., M.R.I.C., 65 Greenhill, Hampstead, London N.W.3, joint manager of the Association of British Chemical Manufacturers, left £2,120 (£1,769 net).

MR. A. SANDERCOCK, 7 Pembroke Court, Edward Square, London, W.8, and Budleigh Salterton, Devon, deputy chairman and deputy managing director of Glaxo Laboratories, Ltd., Greenford, left £114,418 (£107,887 net).

## PERSONALITIES

MR. DAVID O. MARSHALL, technical director of Osmond & Sons, Ltd., manufacturing chemists, Grimsby, has been appointed a justice of the peace for the city borough.

MR. D. W. PAYN (assistant secretary to Proprietary Articles Trade Association)

was called to the Bar at Lincoln's Inn on January 26. Mr. Payn joined the Association in 1927 and was appointed assistant secretary in July 1947. From 1939-45 he served with the Royal Artillery, being released from the Army with the rank of major.

MR. JOHN RENNIE, J.P., managing director of W. B.

twright, Ltd., manufacturing chemists, Ydon, nr. Leeds, is at present in the care of York nursing-home, Bradford, recuperating after an operation.

MRS. EDWIN THOMPSON, J.P., governing director of Thompson and Capper, Wholesale, Ltd., Liverpool, is at present in Paraiso, Chile, on a business trip. He expects to return to Britain in April.

MR. T. J. ROBERTS, M.P.S., of Ruthin, Gwynedd, has resigned the chairmanship of the Brynuyfryd Grammar School governors, which he has held for forty-one years. He has been a governor for thirty-four years.

MR. H. D. SMITH (export manager of Rothmans Laboratories, Ltd., London) has left Britain by air on a three months' business trip to Turkey, Iran, Iraq, Syria, Cyprus, Egypt, Kenya, Rhodesia, South Africa and Malta.

DR. T. REICHSTEIN, Professor of Chemistry at the University of Basle, Switzerland, has been awarded the Marcello prize for 1947 for his "outstanding research work and discoveries in the field of vitamins and hormones."

MR. RIGADIER T. CARLETON HARRISON (managing director of Gillette Industries, Ltd., London), left Britain on February 3 for a six weeks' business tour of South Africa, during which he is to visit the company's branches in that country.

MR. T. H. ACHESON (who has represented J. & J. Haslett, Ltd., Belfast and Dundalk, for the past twenty-two years) has been elected president of the North and West of Ireland Commercial Travellers' Association. Mr. Acheson is well known in the trade in that area.

DR. P. K. FROLICH has been appointed vice-president for research and development of Merck & Co., Inc., New York. A former president of the American Chemical Society, Dr. Frolich joined the company in December 1946 as co-ordinator of research, and was appointed director of research and development in July of the following year.

## WORLD DRUG CONTROL

At its first session held in Geneva, recently, the World Health Organisation Expert Committee on Habit-forming Drugs examined the addictive character of new synthetic drugs, and concluded that substances such as pethidine (also known as Dolantin, Demerol, etc.), and Methadone (or Amidone) should be internationally controlled, as habit-forming drugs, under the terms of the 1948 Protocol (due to operate shortly). The Committee drew up a list of derivatives of these compounds that have exhibited addictive properties, and decided to recommend those also for international control. At the request of the United Kingdom and United States' Governments Metapon was considered by the Committee, and was found to be of a dangerous habit-forming character. Note was also taken of recent advances towards the synthesis of morphine, and in particular of a compound morphan, produced by German and American workers, which nearly attains the structure of morphine and shows marked analgesic action. The Committee pointed out that, as the new drugs were being issued under a wide variety of names it was often necessary to give the full chemical name of the substances to avoid ambiguity. The recommendation was therefore made that a mechanism should be set up that would give a single name, to be used for all international purposes, for every controlled habit-forming drug. The Committee sought further information on the medical use of heroin, particularly in Finland and Italy, and on the possibility of replacing the drug by others less dangerous.



## LEGAL REPORTS

**Failure to Make D.D. Entry.** — Fines totalling £5 were imposed at Huddersfield recently on George Frederick Swift, M.P.S., Stainecross Avenue, Crosland Moor, Huddersfield, for failing to enter particulars of fifty cocaine discs in his Dangerous Drugs register, and for failing to produce a doctor's prescription for the supply of the discs. Prosecuting solicitor said: "This is not a serious case, but the man has shown by his answers that he does not care what happens." Swift did not appear but pleaded guilty in a letter to the court. The omission, he wrote, was caused by extreme pressure of business, and it was the first time he had failed to comply with the regulations.

**Committed on Fraud Charge.** — At a special court in Newtownards, co. Down, Northern Ireland, on February 7, William McAllister, Short Strand, Belfast, was committed for trial at the Assizes on four charges of attempted fraud. He was charged with having sold to three shopkeepers in Newtownards and one at Dundonald packets of headache powder which he represented to contain penicillin. The packets bore the words "Penicil, the Wonder Remedy." A public analyst stated that he did not detect penicillin in any of the powders analysed, but he agreed with the defendant that the ingredients of the powders would be a remedy for certain nervous disorders. McAllister was said to have admitted that he manufactured the powders, but claimed he never pretended that they contained penicillin. He had sold 50,000 packets in three years. Bail was granted in £50.

**Damages for Loss of Puppies.** — Damages amounting to £73 were awarded to Miss Muriel Louise Stewart, cocker-spaniel breeder, 20 Trenance Avenue, Torquay, at Newquay county court on February 7 against Boots, Ltd. The claim (for £76) arose out of the death of five pedigree puppies. For Miss Stewart it was stated that the puppies had died within an hour of their being given tablets supplied by the manager of the Newquay branch of the company. Miss Stewart said she had been breeding dogs for fourteen years, but had no specialised experience in chemistry or drugs. Messrs. Boots advertised themselves as veterinary chemists and she had been a customer for dog medicines at the Newquay branch. On August 13 she entered the shop and was served by the manager. She bought a bottle of a proprietary dog

medicine and then asked for a bottle of syrup of hypophosphite tablets, as a tonic for her nine-weeks-old puppies. The manager told her they were not in stock and offered the syrup as a liquid. She refused this, saying it was difficult to administer and the manager told her that if she ordered the tablets they would not be in for a fortnight. The manager then said he had some other tablets which were equally suitable, and showed her a bottle of Easton's syrup tablets. He did not say they would be dangerous to give to dogs nor that giving them to dogs was unusual. "I told the manager at the time," said Miss Stewart, "that I had heard of them as a tonic for grown-up people, but never for dogs." She gave one tablet each to seven of her pedigree show puppies. Between 8.30 and 8.45 she found five dead. On telephoned instructions from a veterinary surgeon she gave a sedative to the others and two survived. Miss Stewart denied that the manager had first shown her a small bottle of half-strength Easton tablets and then the large bottle, explaining that the contents were full-strength. On the back of the bottle was a label which said "These tablets must be kept out of the reach of children," but Miss Stewart said she did not read this until after the death of her puppies. Had she done so she would not have given the tablets. A veterinary surgeon from St. Austell said that, although he did not personally recommend them, breeders used syrup of hypophosphites tablets quite a lot. Their strychnine content was gr. 1/160 per tablet, while Easton's tablets contained gr. 1/60 (maximum dose for a grown dog).

The manager of Messrs. Boots' Newquay branch, Mr. George Leslie Brown,真理地 stated in court that when Miss Stewart asked him for syrup of hypophosphite tablets he told her he had sold the last few hours before. He offered to get some, but did not remember stating at the time; it would have taken only a few days. Miss Stewart asked, "Have you anything similar in tablet form?" He replied, "We have nothing similar, but we have Easton tablets, somewhat similar but stronger." Mr. Brown said he did not think at the time that an Easton's tablet would cause the death of a dog. He produced a copy of the 1938 edition of the *Pharmaceutical Pocket Book* showing the dose as gr. 1/2 to gr. 1/20. When the judge asked whether that book could be relied on, the

erinary surgeon said, "No, sir, because it's out of date." Mr. Brown said the age had been corrected to "gr. 1/200 gr. 1/60 (great care)."

summing up the case, the judge said, there was no word of warning from this gentleman, who was to be relied upon, that tablets were not only stronger but bly dangerous. He has told you why made his mistake—because he believed dosage was perfectly safe on the nthg of an erroneous out-of-date hand-k." Damages were awarded as stated ve, with costs to Miss Stewart.

**Market-stall Sale Through Agent.**—Old Street, London, magistrates' court, January 31, George Browne, 31 Northis Drive, Pitsea, Essex, was summoned the instance of the Pharmaceutical iety for having sold pills recommended a medicine, though not (a) a registered cal practitioner or registered dentist; an authorised seller of poisons; or (c) rson who had served a regular apprenship to a registered pharmacist or to a y corporate. There was a second summons for selling the pills otherwise than a shop. It was alleged that the pills e sold in Goulston Street, Stepney, on ober 31, 1948, for ailments or condins, including constipation and bladder ness. On that day the Society's chief ector listened to a salesman (not the endant) expounding the virtues of the s in numerous ailments. The pills coned aloes, soap and ginger and were g sold at 2s. 6d. for three small boxes. e inspector bought three. Defendant's e appeared on each of the packets, toger with the ingredients and his ress. The Society's solicitor said his depended on the point that whoever le the sale was an employee or assistant he defendant, who was the stallholder principal. Defendant told the court had had the stall for sixteen years, hav taken over on the death of his father;

conducted a straightforward and ourable business as a herbalist and had er recommended the pills as a medi—only as a "pick-me-up." He claimed cures. The magistrate, having found first summons made out, imposed ne of £10 and, ordering Browne to pay 3s. costs, said: "I am convinced you are old enough a businessman to w that this idea of selling these goods pick-me-up was sheer nonsense. I am vinced that the person who did sell e pills was selling as your agent."

## NEW COMPANIES

JAMES E. COOKE (CHEMISTS), LTD. (P.C.)—Registered in Dublin. Capital £2,500. Charles C. P. Cooke, Gorey, co. Wexford, director.

CAWSONS (CHEMISTS), LTD. (P.C.)—Capital £1,000. To carry on the business of chemists, drug merchants, etc. Leon Cawson, M.P.S. and Ella Cawson, directors. R.O.: 25 Albion Place, Leeds, 1.

E. EVANS (PLAISTOW), LTD. (P.C.)—Capital £1,000. To carry on the business of chemists and druggists, etc. Elwyn Evans and Hilda Evans, directors. R.O.: 524 Barking Road, London, E.13.

INTERNATIONAL SEROVACCINE CO., LTD. (P.C.)—Registered in Dublin. Capital £10,000. To carry on the business of manufacturers, importers and exporters of and dealers in drugs, serums, vaccines, patent medicines, etc. Austin R. Farrell, Annaly, Abbeyside, Dungarvan, co. Waterford, Michael O'Farrell, Louis N. Gleeson, Edmond Maher and Frederick Clarkson, directors.

BRITISH INDUSTRIALISTS' ASSOCIATION, LTD. (P.C.)—Capital £2,500. To promote, preserve and protect, so far as legally practicable, the principle of private enterprise in trade and industry, and oppose or further opposition to the nationalisation of any trade or industry, or any development considered likely to prejudice private trading. First directors are to be appointed. Solicitors: Allen & Overy, 3 Finch Lane, E.C.3.

## BUSINESS CHANGES

JOHNSON AGENCIES (PROPRIETARIES), LTD., have removed to new premises at Albion Road, Horsham, Sussex.

MR. HUGH GRIFFITHS, M.P.S., has taken over the business of Mr. J. E. Owen, M.P.S., 74 High Street, Bangor, Carnarvon.

GEORGE KING & CO., LTD.—Mr. Reginald G. Cook, who has been general manager, has been appointed managing director.

DON S. MOMAND, LTD., 57 Albany Street, London, N.W.1, have appointed Mr. Stormont Cowie son sales and advertising manager.

MR. R. P. SMALL, M.P.S., M.S.M.A., is shortly to join the staff of Pharmaceutical Specialities (May & Baker), Ltd.

The School of the INSTITUTE OF OPTICAL SCIENCE is at 8 Wilton Crescent, London, S.W.1 [Corrected note.]

MR. E. J. HOLFORD-STREVENS has been appointed Regional Controller, North Midland Region, Board of Trade, Nottingham.

GALE & MOUNT, LTD., manufacturing chemists, 28 Pont Street, London, S.W.1, have appointed Mr. J. Bennett works manager in succession to Mr. R. D. Upsom, who is resigning at the end of February to emigrate to Tasmania.

THE headquarters staff of the Northern Ireland General Health Services Board (including the secretary, accountant, medical adviser and dental officer) has removed to permanent premises at 9 Upper Queen Street (corner of Howard Street), Belfast (Telephone: Belfast 24431).

## TRADE NOTES

**Bonus Scheme Extended.** — Wilcox, Jozneau & Co., Ltd., 74 White Lion Street, London, N.1, are extending the period of operation of a bonus scheme for Valda pastilles, details of which are given on another page.

**Product Change.** — Glaxo Laboratories, Ltd., Greenford, Middlesex, announce that the oil-soluble Kapilon ampoules have been discontinued in favour of water-soluble ampoules, which provide a more satisfactory method for parenteral administration of vitamin K. Kapilon ampoules, water-soluble, 1-c.c., are issued in boxes of six.

**New Expectorant.** — Parke, Davis & Co., Staines Road, Hounslow, Middlesex, point out that their new Benadryl-containing expectorant is named Benylin (it was inadvertently referred to as Benadryl in a previous note). The preparation, which also contains ammonium chloride, sodium citrate, chloroform and menthol, has important antispasmodic and broncho-dilatory effects. Benylin expectorant is issued in bottles of 4, 16 and 80 fl. oz.

**Training for Cosmetics Salesmen.** — R. Hovenden & Sons, Ltd., 41 Britannia Row, London, N.1, have inaugurated a scheme of training for the sales staffs of chemists, hairdressers and stores. In a course of seven working days, instruction is given by perfumers, cosmetic chemists and dermatologists on how to apply cosmetics, their effects, presentation, display, etc. Details may be had on application to Dr. S. Gottfried at the address given.

**Corrections to Advertisements.** — INTERNATIONAL CHEMICAL CO., LTD., 12 Chenies Street, London, W.C.1, point out that prices given for Bisurated magnesia in their announcement in the February 5 issue of the *C. & D.* were incorrect; they should have been 1s. 9d. and 3s. 7d.—The address of S. SIGAL & CO., LTD., manufacturers of Galjado hair-colour restorer, is 47 Tabernacle Street, London, E.C.2, and not as stated in an announcement by the company recently.

**Improved Supplies.** — THOMAS CHRISTY & CO., LTD., Farnham, Surrey, announce that Smith's Ergoapiol is again available in unlimited quantities; the preparation is now manufactured in England by arrangement.—GENATOSAN, LTD., LOUGHBOROUGH, LEICS, have recommended manufacturing Dulsic brand dulcin, and are able to offer supplies to the trade.

Dulsac has a sweetening power approximately 250 times that of sugar and in normal concentrations is claimed free from any toxic effects.—An improved supply enables DR. HAIR'S PROPRIETARY LTD., Stanwell Moor, Staines, Middlesex to meet all demands for Dr. Hair's asthma remedy.—Extensions to the factory of GEORGE KING & CO., LTD., Albion Foundry Mills, Kingsbury Road, London, N.W.1, commenced eighteen months ago, are now completed, and efficient service and speed of delivery are offered of both the company's branded products and unbranded forms.

**Packaging Changes.** — BURROUGHS WELLCOME & CO., 183 Euston Road, N.W.1, announce that Tabloid brand digoxin is now available in a dispensing pack of 1,000, and that Neo-Epin brand isopropyl noradrenaline (bronchial asthma) is available in an additional size (500 compressed tablets) also for dispensing purposes; Neo-Epin should be dispensed only in bottles or air-tight containers.—CAMILATONE, LTD., 59 Oak Grove, Cricklewood, London, N.W.2, are now issuing Camilate beauty shampoo and Tonrinz colour rinses each in a substantial envelope printed in three colours, with blue and black stand-



for each member of the series, and the third colour corresponding to the shade of Tonrinz included with the shampoo. Each outer pack holds a second envelope containing the shampoo proper, together with newly-designed, hermetically-sealed sachets containing Tonrinz in a folder giving directions for use. A specially designed display carton of six dozen assorted rinses is available. The company is conducting an advertising campaign in the national Press for Lustrset, and gives information about this setting cream on another page of this issue.—INTERNATIONAL CHEMICAL

LTD., Chenies Street, London, W.C.1, have on another page a new carton tube that have been adopted by the company for Kolynos dental cream.—R. NAPP, LTD., 3 Clements Inn, London, W.C.2, have introduced a 100-tablet of Dypstastol tablets.

**infra-red Lamps.**—Aerosols, Ltd., 65 Brompton Road, London, S.W.7, are

now marketing a range of infra-red lamps under the name Infradyser. The lamps are being advertised to the medical profession and to chemists. The contact model illustrated is a small 25-watt infra-red lamp having a maximum source temperature of 150° and giving a maximum temperature at the treated surface of about 90° C. The lamp is designed for local treatment of conditions for which infra-red therapy is highly recommended. It is issued at moderate price.



## Proprietary Articles Trade Association

**itions to Protected List (Part 1).**—Ashley Weeks, Ltd., Macaulay lung-syrup, trial size, tax 33½ per cent., inclusive retail price 1s. 4d. Ward & Sons, Ltd., Window-show bonus, 2s. aspirin tablets. Retailers who guarantee window show and order not less than two gross or ½ gross 100's) receive a bonus of three 25's. For one gross 25's (or ¼ gross 100's) bonus is one doz. 25's.

Riddobron Products, Ltd. Riddobron tablets, 20's, 1oz., tax 33½ per cent., i.r.p. 6s. 3d. Johnson Laboratories, Ltd., Medicated cream amine, with ichthyoil, 4 oz., 18s. doz., tax 33½ per cent., i.r.p. 2s. 9d.; with crude coal-tar, 18s. doz., tax 33½ per cent., i.r.p. 2s. 9d.; benzyl benzoate 25 per cent., 4 oz., 18s. tax 33½ per cent., i.r.p. 2s. 9d. U.F.I. anti-dusting powder, 2 oz., 18s. doz., tax 33½ per cent., i.r.p. 2s. 9d.

Tampax, Ltd. Additional sizes. Tampax regular, packets of 40, 58s. 6d. doz., 6s. 6d.; super-ent No. 2, packets of 40, 67s. 6d. doz., (both exempt from tax).

**rations to Protected List (Part 1).**—J. L. LTD., New standard pack, medicinal char-

coal, B.P.C., lozenges, 50's, 14s. doz., 1s. 5½d. (exempt from tax).

**Genatosan, Ltd.** Calogen tablets, exempted from purchase tax on January 31. 60's, 24s. doz., 3s.

**Deletions from Protected List (Part 1).**—British Schering, Ltd. Arcanol tablets; Atophan tablets and balsam; Medinal tablets; Neutralon; Neutralon belladonna; Veramon tablets.

**Glain Industries, Ltd.** Glainabol; Livoglain.

**Matthews & Wilson, Ltd.**, Oxydoin ointment.

**Yorkshire Pharmaceutical Industries, Ltd.**, Teddy Bear preparations.

**Deletion from List (Part 2).**—Boncilla face powder. Present range included in protected list is discontinued and withdrawn. A new range with different prices is being introduced later.

## C. & D. DISPENSING PRICE LIST

THE index of drug prices for January (1938 = 100) was 172.2, a rise of 3.2 on December 1948. The following changes which took place during the month should be noted:—

Cost d. per	Due allowance has been made for purchase tax where chargeable	Dispensing price		
		4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
16 oz.	Antim. et potass. tart. S.I. (4)	—	2 4	0 4
46 oz.	Aqua cari. conc.	—	6 9	1 0
52 oz.	Aqua aurant. flor. conc. . .	—	7 7	1 1
126 lb.	Balsam.			
	Peruvianum ..	5 3	1 6	0 3
126 lb.	Camphora ..	4 6	1 3	0 2½
21 oz.	Cardamomi sem. pulv. . .	—	3 1	0 5½
30 oz.	Chloral forma- midum P.I. (8)	—	4 5	0 8
9 oz.	Chlorocresol ..	—	1 4	0 2½
76 lb.	Inf. catechu conc.	2 8	0 9	0 2
51 lb.	Lin. camphor. . .	1 9	0 6	0 1
126 lb.	Liq. bromidi co. B.P.C. S.I. (5)	6 0	1 9	0 3
45 lb.	Pasta acid. tannic.	1 7	0 6	0 1
30 lb.	Potassii			
	metabisulphite	1	1 0	0 1
20 lb.	Pulv. zinci co., B.P.C. lb. 2/6	0 9	0 2½	—
18 oz.	Safrol ..	—	2 8	0 5
17 oz.	Senegæ rad. pulv.	—	2 6	0 4½
42 lb.	Syr. bromoform. co. P.I. (9 & 13)	2 0	0 7	0 1
48 lb.	Syr. limonis ..	2 2	0 8	0 1
24 oz.	Ung. aquæ rosæ, B.P.C.	..	2 4	0 4
90 lb.	Vinum ferri, B.P.C.	3 3	0 11	0 2

## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. GRANVILLE SHARP asked the President of the Board of Trade on February 3 what were the present limitations upon the import of loofahs; how present supplies compared with those obtained in 1938, and what increase was likely in 1949? MR. HAROLD WILSON replied that for balance-of-payment reasons, imports of loofahs were at present confined to the small quantities needed for essential industrial requirements, such as filters for the engines of ships. Loofahs were not separately distinguished in the trade returns, and he could not supply figures comparing present imports with those in 1938. He saw no prospect of licensing imports on a more liberal basis in 1949.

MR. SHARP: In view of the large quantities of expensive sponges now available in the shops, would it not be possible to arrange for more loofahs in place of some of those sponges?

MR. WILSON: No. In the main, further loofahs would have to come from hard-currency countries, whereas sponges in the main come from soft-currency areas. Therefore, to concentrate on sponges rather than on loofahs is in the best national interests.

### Development Councils

MR. LESLIE HALE, who asked the President of the Board of Trade on February 3 whether he was in a position to announce the appointment of additional development councils for industry, was informed by MR. HAROLD WILSON that he was in consultation with six industries (including the china clay industry) about proposals for setting up such councils.

### Patients Asked to Change Doctor

MR. M. LINDSAY asked the Minister of Health on February 3 how many patients had been informed by the Executive Council, Birmingham, that they must change their doctor.

MR. ANEURIN BEVAN: The Executive Council's letter of January 14 was sent to 3,196 people. They were all on the list of a single-handed doctor whose total list amounted to 8,279, or over double the number agreed with the medical profession as the maximum that can properly be attended by one doctor. The action was taken in consultation with the doctor concerned and I see no reason to question the Executive Council's action.

### Pharmacists Under N.H.S.

MR. HUGH N. LINSTEAD, who asked the Minister of Health on February 3 how many registered pharmacists and companies and persons other than registered pharmacists had been accepted for inclusion in the pharmaceutical list under N.H.S. was told that information was not at present available, but the Minister had asked Executive Councils to furnish it future at monthly intervals.

### Export Guarantees

A Bill to enable guarantees to be given to encourage all exports, whether visible or invisible, and to raise the limit of Government aid from £300 millions to £500 millions, was given its Second Reading in the House of Commons on February 2.

### N.H.S. PROBLEMS DISCUSSED

THE Pharmaceutical Group of the Social Medical Association held a meeting in London on January 27 to discuss National Health Service problems. Mr. Somervil Hastings, F.R.C.S., M.P., in the chair. M. B. A. WILLIAMS (a proprietor pharmacist) urged increased consultation between doctors and pharmacists to avoid wasteful prescribing. Lack of democracy, he said, was shown by the failure of the Pharmaceutical Committees to consult with the rank and file on such questions as rota arrangements and in the refusal to recognise pharmacists as contractors. The National Pharmaceutical Union, by refusing to make common cause with fellow (employed) pharmacists in the Joint Committee on National Pharmaceutical, and by opposing "a fair settlement" on the National Joint Industrial Council, had brought about a serious rift in pharmacy; its policies must be repudiated. MR. W. S. BENJAMIN said many Hospital Management Committees had failed to make direct contact with their hospital staffs, and hospital pharmacists were having to struggle for their due status. They had also been unable to achieve a satisfactory standard of remuneration in recent Whitley Council discussions; hospital pharmacists thus share many problems with their retail colleagues. MR. F. H. CONNELLY said that retail employee pharmacists, who were responsible for over half the N.H.S. dispensing, were not represented on the Whitley Council.

## NATIONAL PHARMACEUTICAL UNION

MEETINGS of the N.P.U. Executive and of the directors of the Chemists' Defence Association, Ltd., were held in London on January 26, Mr. G. H. M. Graham in the chair. Ninety-five admissions to the Union since the previous meeting were approved.

### By-election Pending

Formal notice was reported received from Mr. H. H. Marshall of his retirement from the Executive, in consequence of his retirement from business. THE CHAIRMAN acknowledged the great service Mr. Marshall had rendered to the Executive of the Union and its allied organisations over an unbroken period of twenty-seven years, and referred to the special interest Mr. Marshall had shown in price-st matters. MESSRS. MELHUISH, HESELTINE and STEARN supported the chairman's tributes, and MR. MARSHALL returned thanks. A vacancy was declared on the Executive for Western Division 3, and it was decided that the vacancy should be filled by election. The Executive agreed to give six months' leave of absence to Mr. O. C. Seaton, who was proceeding to New Zealand for a business visit.

### Secretary's Report

THE SECRETARY reported on a meeting of the National Joint Industrial Council for Retail Pharmacy held on January 5, which had resulted in a decision to terminate the present agreement on March 6. It was agreed that the N.P.U. representatives on the Council should not, at this stage, seek to re-open negotiations with the trade-union side.

Agreement was reported reached between the Ministries of Health and Food on an increase in the current allocation of honey for pharmaceutical purposes to 40 per cent. of the quantity used for such purposes in the year ended June 30, 1948, the increase to be back-dated to December 5, 1948. Representations made to the Ministry of Health on individual applications for increases in sugar allocations had succeeded to the extent that the Ministry of Health was prepared to intervene with the Ministry of Food, provided the necessary data were submitted to establish "substantial evidence of inadequacy of current supplies."

A meeting of the C.F. Council held on December 2, 1948, was reported on, and Messrs. Mallinson, Tristram and Stearn were nominated as retailer representatives.

In response to a request from the Ministry of Health, the Central N.H.S. Committee agreed that the operative date for the National Formulary for N.H.S. purposes should be May 1. It was reported that further representations had been made to the Ministry of Health and to the Home Office in an effort to secure the inclusion of a statutory exemption from liability of pharmacists to jury service in the Juries Bill now before Parliament. A communication was received from the Ministry of Health, drawing attention to the type of advertising of a part of the N.H.S. service by certain non-chemist contractors for the supply of appliances. The Ministry expressed the view that the type of advertising in question served to bring the pharmaceutical service generally into disrepute, and asked that the desirability of amending the Pharmaceutical Service Regulations, so as to provide control over the advertising of connection with the N.H.S. pharmaceutical service, should be considered. It was clear that any such control would have to apply to pharmaceutical contractors generally and could not be limited to contractors for a limited range of pharmaceutical service, whose practices had led to the Ministry's review of advertising. Action was deferred until after further discussion.

### Tolerance Limits in N.H.S. Dispensing

It was reported that discussions were in progress between the Ministry of Health, representatives of the Contractors' Committee and the analysts appointed by the Ministry under the drug-testing scheme on the question of tolerance limits for various classes of medicaments. As a result, the Ministry would give guidance to Executive Councils before introduction of the Testing Scheme on April 1.

To investigate the pricing problem and to plan long-term pricing arrangements, a small committee, functioning on the lines of a "working party," is to be set up by the Ministry of Health. The Committee will comprise representatives of the Ministry, a nominee of the Joint Pricing Committee, and representatives of the Central N.H.S. Committee. Messrs. Graham, Heseltine, Hudson and Sparshott were nominated as members.

The Executive Committee received and accepted with great regret the notice of Mr. Mallinson's resignation as secretary and manager of the N.P.U. and allied

organisations, effective from March 31. It was agreed that the chairman should communicate to the Press the circumstances that had led to Mr. Mallinson's decision.

### Chemists' Defence Association

At the meeting of the directors of the C.D.A., developments were reported in

eighteen cases that had been left in the hands of the secretary for further negotiation. Approval was given to settlement affected in ten cases (including a payment of £700 to meet a claim arising out of an alleged error in dispensing). Ten further claims that were under negotiation were left with the secretary.

## CHEMISTS FEDERATION

THE thirteenth annual meeting of Chemists' Federation manufacturers was held in London on January 27, Mr. R. Campbell Feather (president of the Federation) in the chair. THE PRESIDENT welcomed the representatives of fifty-one C.F. manufacturers and announced that the following had been elected to act as manufacturers' representatives on the C.F. Council until June 31, 1951:—Allen & Hanburys, Ltd., Evans Medical Supplies, Ltd., Meggeson & Co., Ltd., and Parke, Davis & Co. Mr. L. BOON (treasurer), presenting the financial statement and annual accounts, said that as in the previous year, a separate account had been kept for the C.F. publicity and propaganda fund.

### Advertising Standards

MR. GODDING (chairman, standards committee) said the Council felt that the introduction of standards by the Chemists' Federation had been justified, and he thanked manufacturers for the way they had acted upon decisions and requests made by the standards committee. The "British Code of Standards in Relation to the Advertising of Medicines and Treatments," published in March, 1948, he said, had the approval and support of the Newspaper Proprietors' Association, the Incorporated Society of British Advertisers and other bodies. While supporting the Code in principle the Council had been unable to support the list of diseases, illnesses or conditions which were barred from advertisements and enumerated in section III of the Code. The matter had been discussed with the secretary of the Proprietary Association of Great Britain, and a letter outlining the views of the Council had been submitted to all C.F. manufacturers. It was understood that the list of ailments was to be revised in the near future. Mr. Godding wished manufacturers had taken a greater interest and had expressed their views to the Council. DR. S. BROOK (chairman, propaganda committee) said that forty-nine manufacturers, twenty-seven wholesalers and 777 re-

tailers had responded to an appeal for contributions to the publicity and propaganda fund. During the year approximately 130,000 propaganda blotters and 100,000 window display guides (in the form of cards for ready reference) had been issued to retail chemists. A hanging plaque in transparent plastic lettered in blue and gold had also been issued.

MR. C. DAVIS (Damacy & Co., Ltd.) said chemists were not buying taxable goods for fear of purchase tax reduction in the near future, and suggested that representation should be made by C.F. Council to secure exemption of all medicines from purchase tax. MR. G. LLOYD THOMAS (Oppenheimer, Son & Co., Ltd.) asked what action, if any, had been taken by the standards committee to ensure that all products which were included in the C.F. List were eligible for prescribing under the National Health Service. MR. GODDING suggested Mr. Lloyd Thomas' remarks should have been addressed to the Council as a whole. MR. G. A. MALLINSON explained in detail the position of proprietary medicines under N.H.S., and the president undertook to ask the C.F. Council to consider what action could be taken to ensure that all products included in the C.F. list should be eligible for prescribing under N.H.S. DR. BROOK said that propaganda work planned for 1949 included distribution of 10,000 window display "tablets," and of 750,000 booklets entitled "Medicines and the Public Interest" intended to educate the public on the meaning of the C.F. symbol and the work of the C.F. standards committee. He concluded by appealing for further contributions to the publicity and propaganda fund.

### Meeting of Council

A meeting of the C.F. Council was held on February 3, with Mr. R. C. Feather in the chair. It was reported that the following had been re-elected to represent C.F. wholesalers (section A) for a further period of two years:—Ayrton, Saunders

Co., Ltd., and May, Roberts & Co., Messrs G. A. Mallinson, S. J. Stearn W. J. Tristram were reappointed by National Pharmaceutical Union to be as retailers' representatives for a further period of two years. Miss C. E. Culbert appointed by the Ulster Chemists' Association as Northern Ireland representative one year. A letter from the Crookes Laboratories, Ltd., stated that the company had decided to resign its seat on the Council as owing to pressure of work and temporary shortages of staff, it would be possible for their representative to contribute fully to the work. British Alkaloids, Ltd. (fifth candidate in the recent manufacturers' election) were co-opted to fill the vacancy.

#### Resignation of Dr. Brook

The Council received with regret the resignation of Dr. S. Brook who had represented Westminster Laboratories, Ltd., since the inception of the C.F. movement. Members of all sections paid tribute to the valuable service Dr. Brook had rendered. It was stated that Mr. E. W. Godding until recently the representative of the Crookes Laboratories, Ltd.) was in future

to represent Westminster Laboratories, Ltd., on the Council.

The following officers were elected to serve until January 31, 1950:—*President*, Mr. P. H. Smith; *Vice-president*, Mr. E. A. Brocklehurst; *Treasurer*, Mr. L. Boon. Mr. R. J. Jeffers (Allen & Hanburys, Ltd.) was reappointed one of the manufacturers' representatives to the Northern Ireland C.F. Committee for a further period of two years.

The following were accepted for manufacturer membership:—Bayer Products, Ltd., and Burroughs Wellcome & Co. (both for all proprietary pharmaceutical products). The following additions to the schedules of C.F. agreements were approved: — Damancy & Co., Ltd. (Dellipsoids, D.5. Rheumalgesia); C. R. Harker, Stagg & Morgan, Ltd. (Cofts); Rybar Laboratories, Ltd. (Rybar benzocaine calamine cream, Rybamide). The name of Kem-Aid, Ltd., Beaumaris, Anglesey, was deleted from the C.F. list.

[In the pictures taken at the C.F. manufacturers' luncheon (*C. & D.*, February 5, pp. 176-77), Mr. G. A. Mallinson (secretary, National Pharmaceutical Union) was shown with Dr. J. H. Harrison and not as stated.—EDITOR.]

## PHARMACEUTICAL ECONOMICS

MAKING ON "Pharmaceutical Economics" a meeting of the Hendon and Edgware branch of the Pharmaceutical Society, recently, Mr. H. W. Tomski, B.Com., P.S., F.S.S., pointed out the advantage of pharmacy of costing each department separately. It was misleading to consider the rate of gross profit offered on any article unless the figure were linked to rate of turnover. An article showing 42 per cent. profit turned over every six months was less profitable than one showing 25 per cent. profit turned over every three months.

#### Factors Affecting Dispensing Speed

The rate of dispensing, he said, was affected by the internal organisation of the dispensary, the amount of equipment available and the division of labour. It was a stake to give a person a job he hated. The law of diminishing returns could be applied to the dispensary. With dispensers working at a long bench with materials and equipment to hand, the rate of dispensing per assistant might increase with each new dispenser engaged. Sooner or later, however, possibly because of lack of room or equipment, the rate would start to fall. It was the aim throughout industry

to maintain production on the highest level. Multiple shop trading was based on the theory that distribution by independent traders was by comparison economically inefficient. The multiple relied on a lower holding cost, a rapid turnover, no bad debts, efficient centralised control and expert advertising. Although the beneficial effect of the Proprietary Articles Trade Association was recognised throughout pharmacy, it had, by enforcing price maintenance on many lines, encouraged pharmacists to forget their unprotected lines. It was unsound economics, said Mr. Tomski, for a pharmacist to underpay his employee pharmacist. In answer to questions, Mr. Tomski said that the use of stock mixtures was not to be condemned unless they were kept for an unduly long time and/or could not easily be dispensed in quantities containing the correct amounts of ingredients. It was recognised economically that the less efficient units might serve a useful purpose and should not necessarily be suppressed. Thus, the small village shop merited survival however badly it might compare in some respects with the large store. The rate of turnover in a well-run pharmacy should be four times per year.

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L. CLI FEBRUARY 12, 1949 No. 3599

### Towards Painless Childbirth

GE Simpson first administered ether in our in 1847 and so caused the first recorded painless birth (the child, it will be added, was given the name Anæsthesia), considerable advances have been made in surgery of parturition and in midwifery. Yet the availability in midwifery of adequate analgesia to women in labour remains—as the officially appointed Working Party on Midwives suggests in its report (p. 194)—far from satisfactory. In fact, the prejudice of certain midwives against “gas and air” analgesia may be responsible, but the principal factor is undoubtedly the lack of an easily portable safe method of relieving pain. The Working Party is not convinced that the potential problems involved in providing such an analgesic have yet been given the attention they deserve. Until recently, the active drugs available in childbirth were few, as in Simpson's day, as anaesthetics, their administration was rightly confined to medical practitioners. Midwives working alone, however, were limited to the use of comparatively mild analgesics which could be administered by mouth. With the advent of apparatus for administering nitrous oxide and air, suitably trained midwives have been able to relieve from pain a high proportion of their cases, but the apparatus has the disadvantages that it is heavy and needs much servicing, while the operator requires prior instruction in its use. Moreover, difficulties have arisen to prevent many of the older midwives from tak-

ing the necessary training in the technique of gas-and-air analgesia. With trichlorethylene, a comparatively new analgesic possessing many advantages, a much less cumbersome apparatus is required, but the present design of the apparatus does not prevent accidental overdosage. Extended use of the compound by midwives thus depends on further work by medical engineers.

Meantime, there is a growing demand by women to have labour rendered as painless as possible. At present, differences arise from the place at which the mother decides to have her baby and the attendance given. When a midwife alone attends deliveries at home, only 7.6 per cent. of cases get relief, against 48 per cent. when a doctor attends, and 77 per cent. of the cases in private wards of hospitals. The Working Party recommends “as a matter of urgent public interest” that the Medical Research Council should be asked to set up a committee to solve “as quickly as possible” the problem of finding a suitable analgesic and a light, simple apparatus for its administration. From its recommendation it seems that the Working Party seeks primarily a new form of inhalation analgesia.

### Hairdressers Seek Registration

THE text has been published of a Private Members' Bill—the Hairdressers' (Registration) Bill—to be presented in the House of Commons on Friday, February 11 by Mr. Sparks. The Bill bears the names of supporters of eleven other members of Parliament, all of whom belong to the party in power. Its main provisions are for the establishment of a British Hairdressing Board to maintain registers of “hairdressers for men” and “hairdressers for women”; prescribe standards of training and hygiene; regulate the time, place and conduct of examinations, hear appeals, etc. Registered hairdressers would, under the Bill, be entitled “to practise hairdressing in any part of Great Britain,” and hairdressing is defined as “the performance of any or all of the undermentioned operations to any person for the cleanliness or better appearance thereof”:

(a) All forms of shaving, brushing, combing, cutting, singeing, shampooing, tinting, dyeing, bleaching, waving, curling, setting, dressing, per-

fuming or depilation of the hair upon the scalp or face, with or without the aid of any apparatus or appliance, preparation or substance; the hand or vibro massage of the scalp, face, hands or arms; manicure; and beauty culture;

(b) the application of cosmetics, antiseptics, hair lotions, or tonics, powders, creams or similar preparations;

(c) boardwork, wigmaking and postiche so far as practised in hairdressing saloons.

A clause described as a "saving for doctors, chemists and trichologists" lays down (1) that "nothing in the Act shall prevent the exercise under any other Act of any right or function by a registered medical practitioner, registered chemist or registered qualified trichologist," and (2) that any registered chemist shall, "without registration under the Act," be entitled to perform any of the treatments included in paragraph (b) above.

If hairdressers as a body desire registration of the kind envisaged in the Bill pharmacists have no wish or reason to oppose them, though they must be vigilant that nothing that infringes their own rights is allowed to pass on to the Statute Book without protest. On the face of it the "saving" clause would appear to be adequate to safeguard the chemists' position. Pharmacists do not wish to engage in shaving, singeing, waving, and most of the operations listed in clause (a) above, but they would be right to seek definitions of "beauty culture," depilation, perfuming, dyeing, shampooing and others so as to be fully protected in any demonstrations or sales methods that may be undertaken as part of the process of selling or supplying brushes, combs, hair creams or any other merchandise of which they are (and have been continuously) recognised suppliers. It is all the more necessary that such possibilities should be studied, since the scheme of registration as laid down in the Bill seems to have serious defects from other points of view. For example, while it gives the Hairdressing Board powers over the conduct of examinations, it is silent on the questions (a) what are to be the subjects of examination and (b) who is to prescribe them. The effect of the omission would appear to leave powers of examining with schools over which the Board has only indirect control.

## Light up the Windows

THERE may well be divided opinion on the submissions contained in a memorandum submitted by the Electrical Sign Manufacturers' Association to the Minister of Fuel and Power requesting that the present restrictions on the use of outdoor electrical signs be relaxed. It is proposed that the ban on the illumination of outdoor signs relating to the business of the premises on which they are exhibited should be lifted during off-peak hours—dusk to midnight.

In support of its case the E.S.M.A. claims that the additional load involved would be within the capacity of the generating plant now in operation; that thousands of pounds' worth of electrical equipment has been in disuse for over nine years; that the sign manufacturing industry is one of the few industries which have not yet been allowed to resume activity and that it is severely handicapped in competing in overseas markets by the continued shut-down of the home market; that the lack of outdoor illumination of buildings must have an adverse effect on the overseas tourist traffic, and that light and colour are stimulants to morale.

The memorandum does not refer to the ban, which is still in operation, on the interior illumination of shop windows and the restriction to a minimum on interior lighting of all business premises and public buildings. If the supply of current would now permit some lighting relief from the utter dreariness of the past decade in this respect, interior lighting, and particularly that of shop windows should, in our opinion, be the first to be allowed to "light up"—within reasonable limits. Most shop windows are now back to the pre-war size, and their illumination in the evenings would bring with it as much, not more, cheerfulness and brightness to the streets, and would certainly serve more useful purpose than the partial restoration of exterior electric signs. In many ways, as submitted by the E.S.M.A., neon signs may be desirable, but a better volume of interior lighting and a reasonable amount of shop-window illumination should, we think, come first, and the Ministry might consider action in this direction in good time for next autumn.

## THE NATIONAL FORMULARY, 1949

PUBLISHED jointly at 2s. 6d. per copy by the British Medical Association and Pharmaceutical Society on February 12. National Formulary, 1949, is to be kept for National Health Service purposes in England and Wales from May 1. Copies of the formulary are being distributed (free of charge) to doctors, midwives, dentists and hospitals taking part in N.H.S. Reviews of the formulary by a hospital pharmacist and by a pharmacist in retail practice are given below.

### Former Range of Formulas

ound in green cloth, and of a sizeable for the pocket, the new National Formulary creates a good impression. The general arrangement of its contents is much the same as in the [officially issued] N.W.F., but in most sections a wider range of formulas has been provided. The book has 111 pages, against eighty-five in the N.W.F. Preparations for use in dermatology and ophthalmology have received more attention than formerly. A rational solution is described for eye drops, and their preparation is defined in the best tradition of pharmacy teaching (as an aseptic procedure). An omission in my description of suitable containers in the dermatological sections a number of old favourites appear. A useful inclusion is a definition of White's tarrago, which has varied from hospital to hospital. A number of widely used pigments are defined for the first time, and their inclusion should save harassed retail pharmacists the necessity of phoning a hospital for a formula. Pigmentum lophyllini is, however, not a good pharmaceutical preparation; the resin is insoluble in liquid paraffin and settles to the bottom as an indispersible magma. A more suitable formula should be found in the next edition.

What is a cream? It is doubtful if this category is justifiable, since applications, ointments and pastes should afford sufficient differentiation. The creams described have little in common with one another except that they are all for application to the skin. One is a gel made from sterculia [Karaya] gum—an unusual pharmaceutical substance; one an oil-in-water emulsion; two are w/o emulsions and two are oil-wax preparations without water. Surely it is time that proflavine cream—a w/o preparation—was replaced by an o/w emulsion. Pharmacists will welcome an increase in the quantity of

emulsifying wax to be used in benzyl benzoate application, etc.

The name associated with lotio cuprozincica has appeared variously in the past as Alibour, d'Alibour and Dalibour. Dalibour is adopted in the formulary: no doubt some enterprising researcher will unearth other variants in the future. The mixtures are much as before, the most interesting modification being a reversion to the use of ammonium carbonate, B.P., 1932, instead of the bicarbonate. Mistura hexaminæ, though still widely prescribed, has been dropped. A touch of finesse has brought about rearrangement of the ingredients of mist. kaolini to give precedence to the title-substance.

Two new categories appear: conspersi (dusting powders) and vitrellæ, an excellent name for the crushable glass containers of, for example, amyl nitrite. A feature of the formulary is the inclusion of prescribers' notes. One such note warns against the dangers of oily drops and sprays. Another, somewhat laconic, paragraph states that tremor aminacrinæ is not a general bactericide, but that it "may be active" against certain organisms. Curiously, no corresponding note is under liquor aminacrinæ.

The publishers "hope that the formulary will obviate the need for individual hospital formularies for general medicine." No doubt many regional authorities will wish to model their prescribing upon it, and all hospitals, no doubt, will revise their formularies to remove anomalies. But the book is too large to be accepted *in toto* as a hospital pharmacopoeia, and most hospitals will wish to include in their own book preparations specially required by the senior staff together with house information and regulations. It is therefore unlikely that the teaching hospitals will readily abandon their pharmacopoeias in favour of the N.F.—H. S. G.

### A Welcome Advance

Pharmacists in shops will be glad when, on May 1, the National Formulary, 1949, destined to become a constant companion at the dispensing bench, replaces the designation National (War) Formulary. The change of name is welcome, as are the titles conspersi (dusting powders for external use), and vitrellæ (crushable glass capsules enclosed in an absorptive and protective fabric). It is also an advance to describe each formula in such a way as to indicate the principal ingredients

(use of the familiar lotio rub., mist. expect., etc., has been avoided).

A great step forward was taken when, in the N.(W.)F., a diluent for eye drops containing 0.05 per cent. chlorocresol was used. Unfortunately, it has been reported that occasionally chlorocresol causes smarting in a sensitive eye. In the new formulary, chlorocresol 0.05 per cent. has been replaced by a mixture of 0.025 per cent. methyl hydroxybenzoate and 0.0125 per cent. propyl hydroxybenzoate. The eye lotion formulas have been increased in number, and all formulas are framed so that, when diluted with an equal volume of warm water, the resulting solution is approximately isotonic with the lachrymal secretion. (It will be noted that the tonicity of the lachrymal secretion is accepted as being equivalent to 0.9 per cent. sodium chloride.)

The passing of penicillin ear drops, nasal drops and spray solution, and of powder of penicillin and sulphathiazole, will cause confusion and is to be regretted, for the addition of a full range of penicillin preparations to the National (War) Formulary, third edition, 1947, was most welcome, and prescribers who had previously been at a loss to know what strength of penicillin to prescribe were given the necessary guidance. There is a steady demand for all these preparations, particularly the powder of penicillin and sulphathiazole; one would have ex-

pected it to have been included among the conspersi. The dose of penicillin suggested to be dispensed when no is specified appears extremely low; most instances, the dosage of injectable aqueous penicillin is, of course, determined by the physician, and the average used today is in the region of 200 units. It is a little disappointing that injection of procaine penicillin has been included, but no doubt information on this was not available in time.

The range of mixtures is extensive and comprehensive, but there are two calling for comment: the omission of bismuth, and the judicious use of ammonium carbonate, B.P., 1932, in place of ammonium bicarbonate—a controversial feature of the N.(W.)F. Some attention has obviously been given to palatability of mixtures, a good example being the inclusion of syrup of tonise water in mist. creosot. et pot. The trend is encouraging, but there are still many formulas that need the inclusion of syrup and flavouring agent to make them more acceptable. The infant section has obviously received much attention, and an extremely wide range of palatable preparations appear. The prescriber is reminded at the top of each page of the section that he must write "pro infant." on his prescription and where necessary state the dose and frequency.—B. J. T.

## PHARMACY IN THE NEW WORLD

GIVING his "Impressions of Pharmacy in the New World" at a meeting of the Plymouth Branch of the Pharmaceutical Society on January 20, MR. PETER JONES (Glaxo Laboratories, Ltd.) said the typical Latin American pharmacy was open-fronted. It had no display windows but had a dispensing room at the back of the shop, and the interior of the shop was lined with shelves displaying proprietary medicines. In some towns there were cut-price "wholesaler-retailer" shops which were so busy that they "looked like a Woolworth's store on a Saturday afternoon." In the smaller towns the pharmacy acted as a social centre. The qualifications of the Pharmaceutical Society of Great Britain were not, he thought, recognised in South America, and there were few women pharmacists. Several British companies had an appreciable business in Latin America, but there was still room for expansion. The Americans had opened up a large market,

captured mainly during the war when supplies were cut off from Germany, Switzerland and France. Each product introduced into any of the South American countries had to be registered with the Ministry of Health, and there were numerous regulations to be contended with. Injection was the popular method of "taking" medicine; most middle-class families had a syringe and poorer people usually went to the pharmacist for an injection.

### Opportunities in Jamaica

Pharmacies in the British West Indies varied from first-class businesses to "smoky, smelly, dusty places," where witchcraft remedies were still sold. Jones thought there was a wonderful opportunity for retail pharmacy in Jamaica. In U.S.A. there was more efficient control over the sale of products than in Britain. Canadian pharmacy seemed a half-way house between American and British.

## ALGINATES AND THEIR APPLICATIONS

### 2. Some uses of alginates in surgery and pharmacy

PERHAPS the most significant development in the application of phycocolloids is the recent use in surgery of absorbable alginate dressings, powder, and dried foam<sup>1, 2</sup>. The production of these dressings is based on the instantaneous precipitation of calcium alginate when a solution of sodium alginate is treated with an ionised calcium salt. The film dressing is then made *in situ*—by first applying calcium alginate solution to the wound, and then spraying the surface with calcium chloride solution. The alginate filaments for the wool and dressings material, however, are made by an extrusion process, like that used in rayon manufacturing, sodium alginate solution being extruded through fine jets into a coagulating bath of calcium chloride. The resulting calcium alginate filaments are spun together into a yarn, dried, and finished.

How the tissues absorb alginate dressings is not yet understood, but the absorption rate is known to be affected by the concentration of sodium ions, the activity of the tissue at the site of implantation, and other factors. By adjusting the concentration of calcium ions in the final product, dressings of different absorption rates may be prepared.

Advantages shown by alginate dressings in trials on cases of burns, wounds and hemorrhages include the following:—

- (1) Treated wounds can often be left undisturbed without the need for redressing;
- (2) The transparency of the film allows observation of the wound to be made; al-

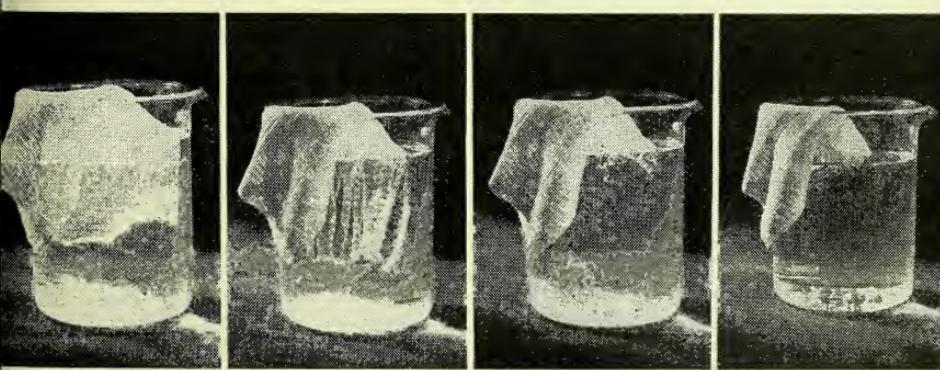
ginate gauze, etc., when damp forms a plastic film easily shaped to the wound; and the dressings can be removed without damage to the tissue by dissolving them in 5 per cent. sodium citrate solution. Work is in progress to produce dressings of improved absorption rate. Calcium alginate powder may possibly be developed as an easily sterilised absorbable dusting powder.

Use in surgery has been made of the haemostatic action of calcium alginate<sup>1, 2</sup>. The substance does not inactivate thrombin. In contact with blood, sodium alginate causes agglutination of red blood cells. Both salts are compatible with sulphonamides and penicillin salts, though calcium penicillin forms a precipitate with sodium alginate.

### Applications in Pharmaceutics

In pharmaceutics the most important properties of the phycocolloids are the viscosity of their solutions, the formation of continuous gels (as applied to jelly preparations, suspensions, etc.), and the formation of films on evaporation (as applied to the coating of tablets and the manufacture of barrier creams).

Sodium alginate may be used as an auxiliary emulsifying agent (in the proportion of about 0.5 per cent.) in mineral or cod-liver oil emulsions. A 5.0 to 7.5 per cent. solution produces a base suitable for a lubricant jelly or a water soluble ointment compatible with most ointment ingredients. Phycocolloids can be used for preparing glycerin hand jellies (see p. 214) and witch hazel jellies.



Photographs in a demonstration indicating the speed of solution of an absorbable alginate gauze (Calgitex brand, fast grade), in 3 per cent. sodium citrate solution. The photographs (left to right) were taken (1) immediately after immersion, and (2) six, (3) eighteen, and (4) sixty minutes after immersion.

### A GLYCERIN JELLY FORMULA

Distilled water	...	...	470
Glycerin	...	...	250
Glycerin of borax	...	...	250

Add sodium alginate 80 gm., a little at a time with vigorous stirring, leave for forty-eight hours with occasional stirring to allow the alginate to dissolve. Stir in perfume and colouring matter.

Sodium alginate is used to stabilise tooth paste against the separation of abrasives or to prevent seepage of liquid, to improve the suspension of solids in calamine lotions and barium meals, and to thicken cough syrup. For coating tablets a solution of sodium alginate (5 per cent.) and sugar (40 per cent.) has the advantage that it may be used cold, with a consequent minimum penetration of the tablet. Alginic acid, because of its swelling property on absorbing water, has been used successfully as a tablet disintegrant. Triethanolamine alginate solutions (about 50 per cent.) which give flexible films on evaporation have been used as barrier creams against organic dusts. Glycerin (as a plasticiser), preservative, and perfume are added.

## ALGINATE DRESSINGS

By George Blaine, M.D.

THE last few years have seen a great advance in the control of forms of bleeding which are not amenable to being checked by methods using clamps, ligaturing or the diathermy current. Capillary oozing and venous bleeding from parenchymatous organs and highly vascular tissues have often defied all ingenuity, so that surgical thought has naturally veered towards finding absorbable materials capable of being applied to such sites, and of being left *in situ* for incorporation into scar tissue formed in the course of healing. American research workers have thus developed foams made from fibrinogen and thrombin, gelatin, and gauze-like fabrics made from oxidisation products of cellulose, all of which were found resorbable in animal and human tissue.

### A Non-Irritant Cover

In the treatment of clean (or cleaned) burns and wounds the battle between the protagonists of various methods of treatment has resolved into acceptance of the basic principle of providing a non-irritant cover that permits the underlying defect

For making solutions of sodium alginate soft or distilled water should be used to avoid possible precipitation of the calcium salt. The salt should be stirred with water vigorously. Dispersing agents (e.g., sugar and glycerin) increase the rate of solution.

To prepare solutions from calcium alginate, the colloid (1 to 2 per cent.) should be suspended in warm water and a solution of the dispersing salt (sodium citrate or carbonate) added. A range of products from jellies to viscous solutions may be formed as the amount of citrate increased.

In addition to the applications of physical colloids to surgery and pharmaceutical industries these seaweed products have uses in dentistry (for making moulds), food manufacture, welding, paint, rubber, textile and other industries. The increasing use of these new colloids is being reflected in a significant revival of a littoral peasant craft.

### REFERENCES

- Blaine, "Annals of Surgery," 1947, 125, 102.
- Blaine, "Lancet," 1948, II, 651.

The Editor is indebted to Medical Alginates Ltd., Albright & Wilson, Ltd., Alginate Industries, Ltd., and Courtaulds, Ltd., for supplying information used in these articles (now concluded).

## ALGINATE DRESSINGS

By George Blaine, M.D.

to heal physiologically by itself, of preventing the occurrence of infection and allowing the escape of water, salts in perspiration, and wound-secretions. Much still has to be achieved in this field. Treatment must be painless, the wound must not be disrupted in course of changing the dressing, and contractures must be prevented at all costs. From the industrial point of view, healing must be quick especially with smaller wounds and burns which must be so treated as to allow the casualty to resume his or her place on the bench as early as possible.

### A New Material

A new base material which is thought to be of use, in one form or another, in the treatment of haemorrhage, and of burn and wounds alike, is alginate. Sodium alginate combines with calcium ions to produce an insoluble gel. Based on the trigger-like reaction, British industrial scientists have produced many physical forms of insoluble alginates, comprising wool, felt, gauze, paper, foam, and film of various thickness. Both calcium and

um alginates have been found non-genic, and sterilisable by various methods, while the introduction, during manufacture, of a variable percentage of um ions into calcium alginate products (conversion") makes possible a range of materials of various solution rates. Alginates do not interfere with the action of bined antiseptics or antibiotics.

### absorbability

calcium alginate materials have been found slowly absorbable in animal and man tissue according to the vascularity pH of the site and, of course, according to the amount implanted. They have marked haemostatic effect. Whether the effect is due to mere mechanical pressure or a specific action is not yet known with certainty. "Converted" alginate materials are also markedly haemostatic, differ from calcium alginates only in their more rapid resorption into or solubility in tissue. From these observations it is clear that dressings prepared from alginate have important advantages over many other currently used preparations. The material has another important property for viscous solutions of sodium alginate, spread over a wound or burn, will be instantly converted into a plastic film, by spraying a solution of a calcium salt (calcium chloride or eusol solution) over it. Such films are impermeable to water but allow all water vapour formed underneath to permeate through to the side.

Clinical trials are still in progress in many branches of surgery, but already it can be stated that alginate dressings, only in the form of wool or gauze "ledgets" have been found of great use in dental haemorrhage, epistaxis, dural bleeding, hemorrhage from the prostatic gland after removal of this gland, and in many other massively oozing sites. It is important to note that only the minimal amount of material required must be used if it is intended to "bury" it in tissue; implantation of a massive bulk defeats its effect, since much of the material is completely out of contact with vascular tissue and is not absorbed, thus acting as a foreign body. In some sites (e.g., nose, sinuses, genital passages) this may be a disadvantage, since the material can readily washed out from them with a warm solution of buffered sodium carbonate, bicarbonate, etc.

External alginate dressings have already been found of benefit in the treatment of burns and wounds, and, in particular, in the treatment of such conditions in difficult crevices, such as the external meatus of the ear. The great advantage of alginate dressings is that, provided the wound remains uninfected during healing, the dressing need not be changed; when it has to be changed or finally removed, it can be washed off, thus preventing wound disruption. Alginate dressings can be properly described as occlusive dressings, and it is therefore important to bear in mind that covering an infected area provokes trouble. Alginate dressings for this reason should not be recommended for the treatment of torpid ulcers (such as varicose ulcers) unless the ulcers are proved bacteriologically clean.

### Specialised Dressings

Since alginate materials are available and undergoing development in Britain, it may be confidently hoped that further work will yield more and more practical results. The preparation of specialised alginate dressings for definite indications, such as osseous bleeding, is already in progress, as is the preparation of films to isolate healing tissues and prevent adhesions. Many surgical problems may find their answer, in part at least, in the suitable adaptation of this versatile base material.

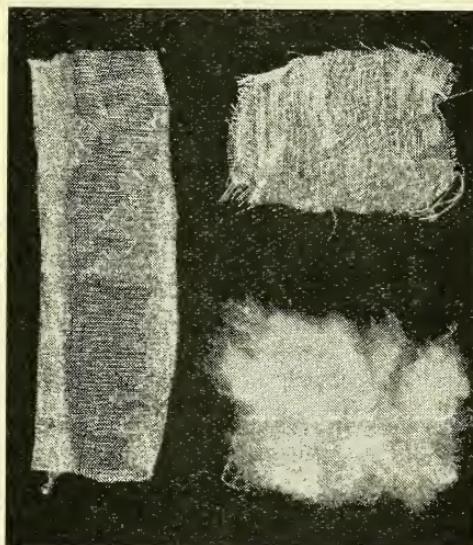


Illustration indicating the degree of firmness which can be obtained from alginate material.

# PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

## February Meeting of Council

A MEETING of the Council of the Pharmaceutical Society of Great Britain was held in London on February 2, the president (Mr. H. Clement Shaw) in the chair. THE PRESIDENT announced that Mrs. Irvine, absent through illness, was much better.

THE REGISTRAR (Mr. F. W. Adams) reported that, during the previous month, forty-two persons had been registered as apprentices or students. It was agreed to issue diplomas to forty-four Pharmaceutical Chemists who had recently qualified, and applications from three persons for restoration to the register was approved. The following members of the Council were announced as due to retire in May: Mr. C. Davis, Mrs. J. K. Irvine, Miss M. C. Islip, Messrs. C. W. Maplethorpe, T. Reid, Granville Shaw, and W. J. Tristram. Sir Harry Hague, Mr. J. C. Hanbury, Mr. J. S. Hills, Sir Harry Jephcott and Mr. E. A. Umney would retire as auditors.

Commenting on the analysis of school results in the report of the Education committee presented by MR. C. W. MAPLETHORPE, MR. F. C. WILSON said that certain schools seemed to have an exceptionally low percentage of passes. Was the Committee doing anything to bring up the standard? Before replying, Mr. Maplethorpe asked whether Mr. Wilson was referring to schools preparing for the Intermediate examination only, or for both Intermediate and Qualifying examinations. Mr. Wilson said he was referring to the "Intermediate group," whereupon MR. MAPLETHORPE replied that those schools were not normally subjected to the Society's inspection. The Education Committee and Council, through their inspectors, made a serious attempt to bring up the standard in schools training for the Pharmaceutical Chemist examination, but there were many difficulties in the way of securing a uniform training.

### Inspection of Pharmacies

MR. T. HESELTINE, referring to an item "Approval of Hospitals," asked whether visits were made before approval, whether they had been visited in recent years, and whether pharmacies received the same treatment. MR. MAPLETHORPE replied that the treatment of hospitals and pharmacies, in his view, was identical.

The Committee received and approved an application from St. Helens Municipal College for approval of a course of instruc-

tion for the Society's Intermediate examination. MR. H. M. HIRST asked whether authorities of the college had stated how many pupils they were likely to get, whether the college had been inspected to see if its teachers were suitable, there were only one or two students at college it was obvious that they could be given individual tuition. MR. MAPLETHORPE replied that the qualifications of the teachers were known, and the college was recognised by the London University and Institute of Chemistry. It would be impossible to provide a class for intermediate training in any small centre of pharmacists alone, and it was felt to be reasonable to recognise such institutions.

MR. E. A. BROCKLEHURST, presenting the report of the Benevolent Fund and War Aid Committee, acknowledged £100 from Liverpool, and £67 from Wolverhampton. There were also three separate contributions to Birdsgrove House £23 7s. The report was received.

### Branch Representatives' Resolutions

The Committee recommended, and the Council approved, that the following motions should be included in the agenda for the next Branch Representatives' meeting, and that the Portsmouth, West Kent, Woking (motion 1) and Worthing Branches should be asked to amalgamate the resolutions:—

#### HARROW AND DISTRICT BRANCH

That it is the opinion of this meeting that with the payment of the registration fees, the Council should collect information as to the nature of pharmaceutical employment (e.g. hospital pharmacist—chief or assistant; retail pharmacist-owner manager or assistant) and publish it in the register with a view to facilitating sectional representation on Government-sponsored Committees.

#### LIVERPOOL AND DISTRICT BRANCH

That it is the opinion of this meeting that it is not in the public interest that inspections of records and premises under the Dangerous Drugs Acts should be in the hands of the Police Departments. That the necessary steps should be taken forthwith to transfer these duties to the Pharmaceutical Society of Great Britain.

#### MONMOUTHSHIRE AND NEWPORT BRANCH

That it is the opinion of this meeting that while we reluctantly agree that testing of prescriptions must be carried out, we feel that such testing should also apply to Health Centres.

#### PORSCHEMOUTH AND DISTRICT BRANCH

That it is the opinion of this meeting that the Pharmaceutical Society should not institute a diploma for technicians in pharmacy.

**MES VALLEY BRANCH**

That it is the opinion of this meeting that Society's policy regarding the suppression of individual advertising of dispensing services should be strongly supported, but it is recommended that district advertising of dispensing services by groups of pharmacists from registered offices may be published with the approval of local branch of the Society.

**KENT BRANCH**

That it is the opinion of this meeting that official recognition should be given to technicians (other than those with existing statutory qualifications), practising in pharmacy.

**SUSSEX BRANCH**

That it is the opinion of this meeting that expression "qualified pharmacist," commonly in pharmaceutical periodicals including the advertisement columns of the official Journal, is an improper one, since it wrongly suggests the existence of unqualified pharmacists and thereby tends to lower the dignity of the plain title "pharmacist"; and that the Society should disapprove its use.

**NING AND DISTRICT BRANCH**

(a) That it is the opinion of this meeting that space should be devoted to letters in the "pharmaceutical Journal," and that contributions from non-pharmacists should not be printed at the expense of those sent in by members and studentuates.

(b) That it is the opinion of this meeting that a committee should be set up by the Council to examine the possibilities of extended financial assistance to students studying for the Society's qualifying examinations, believing thereby that a standard of examination may be aimed at and secured.

(c) That it is the opinion of this meeting that references in the National Health Service Act, 1946, to "persons" "providing" "authorised to provide" or "undertaking to provide" pharmaceutical services can only be regarded as a denial of our status as pharmacists and a help to non-pharmacists in extending their influence over our profession. In all such phrases the word "person" should be replaced by "pharmacists" thus giving to our profession no less recognition than which is accorded to and which safeguards the other professions mentioned in the Act.

**CESTER CITY AND COUNTY BRANCH**

(d) That it is the opinion of this meeting that provision should be made in the proposed Supplementary Charter for the inclusion of the word "royal" in the name of the Society.

(e) That it is the opinion of this meeting that stationery and printing should be issued by the Society, the Society's coat of arms and a suitable device to appear, which may be overprinted with title and address of the Branch ordering. It would be possible for Branches to have their duplicating done by headquarters, the cost to be borne by the Branch.

**THING AND DISTRICT BRANCH**

That it is the opinion of this meeting that space devoted to Branch activities in the "pharmaceutical Journal" is still woefully inadequate, and it is in the interest of every

member to give a fuller report of all Branch activities.

Certain motions were excluded as not complying with the rules of procedure and others were provisionally excluded on other grounds.

**Change of Name**

On the recommendation of the Organisation Committee the Council agreed to a request by the West Sussex Branch that its name should be changed to "Chichester, Bognor Regis and District Branch."

**THE PRESIDENT** reported that Mr. G. A. Mallinson (secretary, National Pharmaceutical Union), was retiring from that post on March 31, and that Mr. H. Noble (deputy secretary) had been appointed to succeed him. The Council agreed to send letters of good wishes to both.

The Council adopted a recommendation of the Finance Committee that, after due notice to subscribers, and subject to no objections being received, a balance of £164 3s. 9d. in the Hospital Ship Fund should be transferred to the Birdsgrove House Fund.

It was decided to appoint Mr. O. W. Roskill, an industrial and management consultant, to conduct the man-power inquiry. The president, vice-president, treasurer and secretary were nominated to meet Mr. Roskill to agree on a programme of inquiry.

**Dangerous Drugs in Hospitals**

A report was given of a discussion between representatives of the Society and of the Home Office on certain aspects of the Dangerous Drugs Regulations, 1948, that were considered unsatisfactory by the Society in their effect on the control of such drugs in hospitals. The Department's reply to the Society's representations was awaited. The question of "overage" in ampoules, and the conditions required for the issue of wholesale licences, were discussed on the same occasion.

It was decided to investigate the possibilities of providing for a small number of pharmacists in displaced persons camps in Germany, to be accommodated and work in Britain under conditions that would enable them to satisfy the requirements for the registration for foreign pharmacists.

The Council accepted invitations for the Society to be represented at the Seventh Scandinavian Pharmaceutical Conference, Oslo, June 13-15, and at a conference of German pharmaceutical organisations, Hamburg, June 13-19.

## COMING EVENTS

Saturday, February 12

**YORKSHIRE BRANCH, GUILD OF PUBLIC PHARMACISTS,** Royal Infirmary, Bradford, at 3 p.m. Dr. H. L. Whitchurch on "Poliomyleitis."

Monday, February 14

**HARROW BRANCH, PHARMACEUTICAL SOCIETY**, Oak Hall, Baptist Church, College Road, Harrow, at 7.30 p.m. Mr. L. M. Bennett, B.A., LL.B., on "The General Aspect of Mercantile Law."

**MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS**, Red Cross Rooms (over Common Hall), Hockins Hey, at 7.30 p.m. Address by the matron of Alderley Children's Hospital.

**SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY**, Polygon Hotel, Southampton, at 7.30 p.m. Mr. G. A. Stephens on "Some of the More Recently Introduced Medicaments."

Tuesday, February 15

**LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS** (with hospital pharmacist members of ASSOCIATION OF SCIENTIFIC WORKERS AND CONFEDERATION OF HEALTH SERVICE EMPLOYEES), 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Discussion on salary negotiations and future policy, etc.

**SHEFFIELD AND DONCASTER BRANCHES, PHARMACEUTICAL SOCIETY**, White Bear Hotel, Hallgate (coach leaves Balm Green at 7.25 p.m., fare 3s. 6d. return). Address by Mr. T. Heseltine (a member of the Society's Council).

Wednesday, February 16

**PHARMACEUTICAL SOCIETY OF GREAT BRITAIN**, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Mr. T. C. Denston, B.Pharm., Ph.C., F.R.I.C. (editor, British Pharmaceutical Codex) on "The National Formulary, 1949."

**SCOTTISH DEPARTMENT, PHARMACEUTICAL SOCIETY**, 36 York Place, Edinburgh, at 7.30 p.m. Mr. Neil Campbell, D.Sc., Ph.D. (department of Chemistry, Edinburgh University) on "Adsorption Chromatography."

**BIRMINGHAM PHARMACEUTICAL ASSOCIATION**, Botanical Gardens, Edgbaston, 6.30 p.m.-1 a.m. Annual dinner and dance.

**BRIGHTON TECHNICAL COLLEGE, SCHOOL OF PHARMACY**, at 7 p.m. First of eight weekly post-graduate lectures (fee for course, 21s.; applications to registrar).

**EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY**, Conway Hall, High Street, Walthamstow, London, E.17, at 8 p.m. Films: "Treatment of Varicose Veins" and "Uses of Elastoplast in Modern Surgery."

**GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY**, 220 St. Vincent Street, Glasgow, at 7.30 p.m. Open discussion on present-day problems. National Health Service questions answered by members of Pharmaceutical Standing Committee (Scotland).

**LEICESTER AND LEICESTERSHIRE BRANCH, NATIONAL PHARMACEUTICAL UNION**, Royal Hotel, Leicester, at 7.30 p.m. Mr. H. Steinman on "You Ought to Know."

**NATIONAL ASSOCIATION OF WOMEN PHARMACISTS**, Bonnington Hotel, Southampton Row, London, W.C.1, 7-11 p.m. Annual dance.

Thursday, February 17

**BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION**, Thornton Manor. Annual dinner and dance.

**DUNDEE AND EAST AND CENTRAL SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY**, Royal Hotel, Union Street, Dundee, at 7.30 p.m. Professor H. (University College, Dundee) on "The Psychology of the Cinema."

**LEEDS BRANCH, NATIONAL PHARMACEUTICAL UNION**, Hotel Metropole, Leeds, at 7.30 p.m. Mr. I. Brocklehurst (a member of the N.P.U. Executive) on "Pharmacy in 1949."

**SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY**, Abbeydale Ballroom, Sheffield, 7.30 p.m.-night. Dance. Tickets (4s. 6d. each) from S. Durham, 29 Stephen Hill Road, Sheffield.

**WIMBLEDON PHARMACISTS' ASSOCIATION**, Town Hall, Wimbledon, at 7.45 p.m. Miss A. Lothian, Ph.C., A.L.A. (the Pharmacists' Society's librarian) on "London and Pharmacy in the Seventeenth Century."

Friday, February 18

**LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS**, 17 Bloomsbury Square, London, W.C.1, 7.30 p.m. Dr. J. G. A. McSorley, on "HaematoLOGY."

**INSTITUTE OF OPTICAL SCIENCE**, Royal Society of Arts, John Adam Street, London, W.C.1, 7.30 p.m. Dr. Walter Simpson on "Field Vision and Colour Vision."

**CORK BRANCH, GUILD OF PHARMACY**, is holding its annual dance in the Clarence Hall, Imp. Hotel, Cork, on Saturday, February 26. Donations for prizes should be sent to Miss E. Donovan, Blairs, Chemists, Patrick Street, Cork.

**THAMES VALLEY PHARMACISTS' ASSOCIATION**, holding a dinner and dance at Restaurant Fras, Oxford Street, London, W.1, on Wednesday, March 2, 6.30 for 7 p.m. Tickets (21s. each) Mr. H. E. Sullivan, 124 Ellerton Road, Surbiton, Surrey.

A DANCE IN AID OF THE NORTHERN IRELAND CHEM. BENEVOLENT FUND is being held at the Car Belfast, on Tuesday, March 1, by Harold Mit & Co., Ltd., 321 Grosvenor Road, Belfast. Tickets (10s. 6d. each including supper) from the committee or from the Pharmaceutical Society of Northern Ireland or the Ulster Chemists' Association.

**LONDON CHEMISTS' GOLFING SOCIETY** is holding its annual dinner and dance at the Trocadero, Piccadilly, London, W.1, on Thursday, March 12. Tickets (30s. each) from the secretary, 47 Grosvenor Road, London, W.C.1.

## FIFTY YEARS AGO

### Deliveries from Mincing Lane

(From the C. & D., February 11, 1899)

THIS year's arrivals show as well as a thing that 1899 promises to be a splendid year. Up to Wednesday the goods delivered from the London warehouses included packages of ipecacuanha, 140 of sarsaparilla, 227 of rhubarb, 173 of Sumac, benzoin, 70 of Palembang, and 120 of Siam. Dragon's blood is scarce, but three boxes have come this year to relieve the scarcity, and if the Filipinos had more sense we would have more gum. Of all ninety packages have come from the West Indies and forty from Socotra; forty-nine packages of gum guaiacum have been stocked, thirty of gum ammoniacum, thirty-two of myrrh, and twenty of Indian hel-

## CORRESPONDENCE

### Dispensing Tests

SIR,—Are chemists too busy today to try over the testing of N.H.S. prescriptions? We have still a little time in hand do something about it. When others things done and don't get satisfac-  
tional, "strike" is the weapon. I certainly would not like to see a "strike" in phar-  
acy, but I do press for vigorous action  
to secure abolition of testing.

SCOTTISH CHEMIST.

SIR,—Mr. Mallinson has attempted to justify reintroduction of the unpopular pricing of prescriptions on grounds of public expense. That is a fair argument—it is carried to its logical conclusion—but retail pharmacy is to be the subject of criticism it is but reasonable to introduce the test scripts system of checking in establishments where N.H.S. medicine public money is financing the supply of medicaments. This should obviously cover both hospitals and the general practitioner who performs N.H.S. dispensing. It must be remembered that the pharmacist practising in a shop has competition to face from his professional colleagues also in retail practice. Service standards are points to which he must pay considerable attention. I submit that check on the pharmacist is far less necessary than on the general practitioner who dispenses.

RETAIL PHARMACIST

### Sorting Prescriptions

SIR,—May I respectfully suggest that pricing bureaux should request Littlewoods and Vernons "pools" to help them? They—the "pools"—have to check many thousands of forms per week. They pay out in three days and did so from the day "Go!"

ONE OF THE SUFFERERS.

SIR,—I agree with "1,000 Singled-out" (*C. & D.*, February 5, p. 187) that chemists should accept the present pricing system for N.H.S. prescriptions and make the best of it. What is demanded is a standard, presumably, as the minimum price pharmacists can give the pricing bureaux if full and prompt payment is to be achieved within the next year or two. It does not take excessive effort to sort date bundles; furthermore it saves a lot of time by facilitating future reference which, of course, is never necessary—

theoretically). I am rather surprised to see so readily accepted the view that this sorting, however, is very much simpler than pricing our own prescriptions. In the total time occupied in pricing (for sorting into above and below the dividing line), sorting of one kind and another, and finally making up the completed bundles, a large proportion of the whole could be fully priced.

UNASSISTED.

SIR,—Your correspondent, F. A. Thomas (*C. & D.*, January 29, p. 155) misses the point of my letter (January 22, p. 122). What I am asking is "Why must we sort our N.H.S. forms in week of issue, and not in week of dispensing?" I defy anyone to give a sound reason! I may inform Mr. Thomas that I am doing exactly what he is doing, except that I use envelopes that cost me nothing. But I am using time which I cannot afford, if Mr. Thomas can! Similarly, Mr. M. A. Searle (same page) seems to ignore the time factor.

London, N.W.1. W. R. I. NICHOLSON.

### Harrow Employees' Association

SIR,—Arising out of a discussion of your editorial mentioning "fair wages" (*C. & D.*, February 5, p. 179) the members of the Harrow & District Employee Pharmacists' Association feel that it is desirable to re-emphasise certain of the main objects of the association. The first of these ("To promote and protect the interests of employee pharmacists") is obviously all-embracing, and would logically include the important question of remuneration and general conditions of service. One of the immediate objects is the co-ordination of all employed pharmacists with representatives of other employee organisations for the purpose of compiling a register of all employee pharmacists in the district. It is hoped that similar associations will be formed in other areas, leading to the formation of a national committee or council comparable in strength with the National Pharmaceutical Union. Such a national body would be in a position to ensure a reasonable employee representation on Government-sponsored committees. The chairman (Mr. Dunnill, 162 Kingshill Drive, Kenton, Middlesex) and I will gladly supply further information to interested colleagues.

Harrow. ALAN W. BAKER, Secretary.

## TRADE REPORT

**Spot quotations for pharmaceutical chemicals represent the prices for wholesale qualities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.**

### 28 Essex Street, W.C.2, Feb. 9

THE markets for PHARMACEUTICAL and FINE CHEMICALS have continued fairly active during the past week. Export business remains good; it is understood, however, that home-trade orders although numerous have generally been for smaller quantities. Prices are unchanged on the week. A moderate inquiry is being received for CRUDE DRUGS but trade still continues slow. Business has been done in CANADA BALSAM on spot at 19s. per lb., but it is understood that dearer material now coming forward is not available under 20s. 6d. per lb. BALSAM TOLU is an easier market; forward prices are now at 10s. 3d. per lb., c.i.f. and supplies on the spot are available at about 12s. per lb., but it is reported that business has been at sixpence per lb. under the latter value. BELLADONNA ROOT, B.P., on the spot is offered at 4s. per lb., duty paid; shipment quotations are at 3s. per lb., c.i.f. A good request is being received for Anatolian natural LIQUORICE ROOT but inquiry for liquorice juice, block and stick is poor; prices of these products are unchanged. The spot market for MYRRH is quiet; it is reported, however, that prices at origin are substantially increased and are now in the region of 25s. per cwt. above recent shipment values. STYRAX for immediate delivery is quoted at 6s. 3d. to 6s. 6d.; recent spot business has been done at slightly lower prices. In SEEDS, the markets for DILL and FENUGREEK continue firm, but in other directions they continue quiet and without interest. SPICES remain quiet. Business has been done in Zanzibar CLOVES at 1s. per lb., spot, and the price has risen to 1s. 1d. per lb. Higher prices are quoted for African GINGER for shipment. BISMUTH METAL has been reduced from 10s. 9d. per lb. to 10s. 6d. per lb. net (for quantities of not less than 5 cwt.), with effect from February 1.

THE National Edible Oil Distributors' Federation rates, for all areas except Devon and Cornwall, are as follows: GROUNDNUT, MAIZE, COTTONSEED, SUNFLOWER - SEED, 127s. 6d. per cwt., 10s. 5d. per imperial gall., 10s. 3d. per approximate gall.; PALM-KERNEL, 126s. 6d. per cwt., 10s. 4d. per imperial gall., 10s. 2d. per approximate gall. The prices are for oils packed in cans. The price of oil in barrels is as follows: On loan, 1s. per cwt. below the  $\frac{1}{2}$ -cwt. can price; free, 3s. per cwt. below the  $\frac{1}{2}$ -cwt. can price, plus the cost of container. Devon and Cornwall rates for oils are 2s. per cwt. or twopence per gall. more than those for other areas, and the cwt. prices are based on  $\frac{1}{2}$ -cwt. loan taper cans.

### U.S. Drug and Chemical Report New York, February 1

BUSINESS has been generally slow in PHARMACEUTICAL and FINE CHEMICAL markets and many manufacturers are of opinion that the volume of business in current year will not attain the 1948 level. The general falling price structure of market is also expected to continue throughout 1949. The Department of Commerce, however, says that an increase in PENICILLIN and STREPTOMYCIN production is expected and that sales of VITAMIN are also likely to be greater. Current demand for both penicillin and streptomycin is reported to be heavy, with a high volume of inquiries from overseas. Competitive conditions have resulted in reductions in price schedules of THEOBROMINE, AMPHYLLINE and THEOPHYLLINE; theobromine alkaloid is now basically quoted at \$1.00 per lb. (a 75 cents reduction); amphylline is cheaper by 35 cents per lb. at \$7.90; and theophylline is 40 cents a pound cheaper at \$7.60. The MENTHOL market is becoming firmer as a result of the reduced shipments from China and reports that Brazilian crop this year is likely to be smaller. Stocks in the U.S. are reported to be the smallest for several years. MERCURY has been reduced to \$86 per lb. against \$90 to \$91 in the previous week. An improved volume of export buying in the CRUDE DRUGS market has nevertheless been insufficient to offset from the price angle the low level of domestic demand. CASCARA SAGRADA was reduced by 5 cents per lb. to 33 cents on the inside. Moderate demand was reported from ESSENTIAL OILS market last week. Price shading was less evident than in recent weeks. Italian LEMON, LIME, Ceylon CITRONELLA were among the advanced in price, while quotations for CANANGA, ORANGE and ROSEMARY were reduced.

### Pharmaceutical Chemicals

ACETANILIDE.—Steady. Quotations 1-cwt. lots in kegs are at 2s. 3d. per lb. for crystals and 2s. 4d. for powder.

ADRENALINE.—Steady. B.P. is quoted from 5s. 6d. to 6s. per gm. for natural; 2s. to 2s. 6d. for synthetic; racemic, 2s.

BENZOIC ACID.—Makers' quotations for pharmaceutical quality are from 2s. 2s. 10d. per lb., as to quantity. Sodium BENZOATE is available at the same price.

BUTYL CHLORAL HYDRATE.—Current prices are from 17s. 6d. per lb. upwards.

CHLORAL HYDRATE.—Current rates 1b. for the home trade are: 1-cwt. 14s.; 56-lb., 4s. 2d.; 28-lb., 4s. 4d.

LOROFORM.—Steady. Makers' price cwt. lots in winchesters is 3s. 2d. per 56-lb., 3s. 2½d. In drums, prices are 2d. and 3s. 1d. per lb. respectively.

TRIC ACID, B.P.—Prices are un-ged. Makers quote 1s. 5½d. to 1s. 7½d. lb. less 5 per cent. for 1-cwt. lots, red in the United Kingdom.

CAINE.—Rates per oz. are as follows : ALKOI, CITRATE and SALICYLATE, bot-  
½-oz., 63s.; ½-oz., 59s. 6d.; ¼-oz.,  
61.; 1-oz., 55s. 6d.; 4-oz., 55s.;  
54s. 3d.; 16-oz., 53s. 9d.; tins,  
53s. HYDROCHLORIDE, NITRATE and  
HATE, bottles, ½-oz., 56s.; ¼-oz.,  
6d.; ½-oz., 50s.; 1-oz., 48s. 6d.; 4-oz.,  
8-oz., 47s. 3d.; 16-oz., 46s. 9d.; tins,  
46s.

EOSOTE.—B.P. quality, ex beechwood, ed at from 7s. per lb., upwards.

AMORPHINE.—Home trade rates, per ALKALOID, ½ oz., 54s. 6d.; 1 oz., 52s.; 50s. 6d.; 3 oz., 49s. 9d.; 4 oz., 49s. 6d. ROCHLORIDE, ½ oz., 50s. 3d.; 1 oz., 91.; 2 oz., 46s. 3d.; 3 oz., 45s. 6d.; 48s. 3d. per oz.

GITALIN, B.P.C.—Current quotations rom 9s. to 11s. 6d. per gm.

IETINE.—Makers' rates per oz. are as ws : HYDROCHLORIDE, 1 oz., 187s.; 4 180s.; 16 oz., 177s. 6d.; 32 oz., 175s. ITH IODIDE, 1 oz., 96s. 6d.; 4 oz., 16 oz., 93s. 6d.; 32 oz., 92s.

DROQUINONE.—Bulk rates are as fol-  
10 cwt. 9s. 6d.; 5 cwt. 9s. 9d.;  
10s.; 28 lb., 11s.; 14 lb., 11s. 3d.;  
11s. 6d. per lb. Carriage paid in U.K.

OPHOSPHITES.—Makers' rates per lb.  
7-lb. lots are : AMMONIUM, 9s. 3d.;  
IUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON,  
d.; MAGNESIUM, 7s. 9d.; MANGANESE,  
d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d.

OPROPYL ALCOHOL.—Makers quote  
3d. per gall. for small lots.

CTATES.—Current quotations are as ws : CALCIUM, 2s. 2½d. to 2s. 10½d.; IUM SODIUM, 3s. 3d. to 3s. 11d.

ERCURY SALTS.—Makers' rates per lb.  
1-cwt. lots are : AMMONIUM CHLORIDE,  
lump, 7s. 8d., powder, 7s. 10d.; LOW OXIDE, B.P. and RED OXIDE,  
C., 8s. 4d. BICHLORIDE, B.P., lump,  
powder, 6s. 5d.; MERCUROUS CHLORIDE,  
7s. 10d. Quotations for small quan-  
tities of MERCURY WITH CHALK, B.P., are  
s. 9d., for MERCURIC CYANIDE, 18s. 9d.,  
for OLEATE, B.P., 5s. per lb.

ETHYL SALICYLATE.—Current rates are  
llows : Winchester quarts, 2s. 2½d. per  
56 lb., in demijohns, 2s. 1d.; 1 cwt. in  
johns or carboys, 2s. 0½d.; 5 cwt., 2s.  
prices are net.

ETOL.—Prices for quantities : 10 cwt.,  
5-cwt., 19s. 6d.; 1-cwt., 20s.; 28-lb.,  
14-lb., 23s.; 7-lb., 24s. per lb. Car-  
paid in the United Kingdom.

MORPHINE.—Prices per oz. current in the home market are : ALKALOID, ½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE, ½ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s. 9d.; 3 oz., 42s.; 4 oz., 41s. 9d.; BI-MECONATE and TARTRATE, as ALKALOID; ACETATE, HYDROBROMIDE and SULPHATE, quoted the same as HYDROCHLORIDE.

PHENAZONE.—Nominal prices are from 32s. 6d. to 35s. per lb.

PHENOBARBITONE.—Current quotations for 28-lb. lots are at 36s. 6d. per lb. The SODIUM derivative is available at the same price as the base.

PHENOLPHTHALEIN.—Steady. Makers' prices are : 1-cwt. lots, 6s. 10d.; 28-lb., 7s.; 14-lb., 7s. 3d. per lb.

PHENACETIN.—Little available. Nominal prices are from 5s. to 6s. per lb.

PYROGALLIC ACID.—Quotations for CRYSTALS are : 1 cwt., 18s. 6d. per lb.; 56 lb., 19s.; 28 lb., 20s. RESUBLIMED is 22s. 3d. per lb. in 1-cwt. lots; 56-lb., 22s. 9d.; other quantities in proportion.

QUININE.—Makers' rates (per oz.) to distributors are given below; additional charges must be added for repacking, etc. ALKALOID, from 5s. to 5s. 6d.; ACETYL-SALICYLATE, 6s. to 6s. 6d.; BISULPHATE, 3s. 7d. to 4s. 1d.; DIHYDROBROMIDE and DIHYDROCHLORIDE, 4s. 11d. to 5s. 5d.; FORMATE, 5s. 9d. to 6s. 3d.; GLYCERO-  
PHOSPHATE and PHOSPHATE, 5s. 5d. to 5s. 11d.; HYDROBROMIDE and HYDRO-  
CHLORIDE, 4s. 6d. to 5s.; SALICYLATE, 4s. 8d. to 5s. 2d.; SULPHATE, 4s. to 4s. 6d.; QUININE AND UREA HYDROCHLORIDE is quoted from 4s. 10d. to 5s. 4d.

SALOL, B.P.C.—Current quotations for quantities of 28 lb. to 1 cwt. are from 9s. to 9s. 4d. per lb., according to pack. Prices for larger quantities are around 7s. 6d. to 8s. per lb.

SODIUM SALICYLATE.—Steady. Makers' price for 1 cwt. is 2s. 7d. per lb.; resellers' rates per lb. (containers in brackets) in the home market as follows : 28-lb. and under 1 cwt., 3s. 4d. (1-lb.); 3s. 3d. (2-lb.); 3s. 2½d. (4-lb.); 3s. 1½l. (7-lb.); 3s. 1d. (14-lb.); 3s. (28-lb.). Net one month.

SULPHANILAMIDE.—Steady. Prices are as follows : 5 cwt., 6s. 3d.; 1 cwt., 6s. 6d.; 28 lb., 6s. 10d.; 14 lb., 7s.; 7 lb., 7s. 9d. per lb., net; packing extra.

SULPHONAL.—Quoted from 44s. to 53s. per lb., as to quantity.

TANNIC ACID.—Moderate supplies re-  
ported. B.P. levis is from 8s. 9d. per lb.; ether soluble, from 9s. per lb.

TARTARIC ACID.—Makers' rates in the home trade are : 10-cwt. lots and over, 200s. per cwt.; 5-9 cwt., 202s.; 2-4 cwt., 204s.; 1 cwt., 206s., delivered.

VANILLIN.—Current rates are : 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb. Supplies from maker are on quota,

## Crude Drugs

**ACONITE.**—Steady. Indian, on the spot, is quoted at 275s. per cwt.; *napellus*, offered at 3s. 10½d. to 4s. 3d., duty paid.

**ALOES.**—Prime Cape on spot is offered at 110s. to 115s. per cwt.; shipment, buyers at 92s. 6d. to 95s. and sellers at 97s. 6d., c.i.f. Curaçao is offered at from 185s. to 210s. per cwt., as to quality. Socotrine, 160s. to 180s. per cwt., spot.

**ANTIMONY.**—Metal prices are: 99.6 per cent., regulus, £210 per ton, delivered; 99 per cent., £200; 70 per cent., crude, £165.

**BALSAMS.**—*Canada* is now 20s. 6d. per lb., spot. Pará *Copaiba* (soluble), 4s. 9d. to 5s. per lb., spot. San Salvador, Peru, 4s. 11d. per lb., duty paid. *Tolu* is an easier market; spot offers are at about 12s. per lb. but business has been done at 11s. 6d.; shipment, 10s. 3d., c.i.f.

**BAY LEAVES.**—Quotations are steady at from 11d. to 1s. per lb., duty paid.

**BELLADONNA.**—Yugoslav root is quoted at from 4s. per lb., duty paid, as to test; shipment, 3s., c.i.f. English leaves are offering at from 4s. 9d. (0.546 per cent.) per lb.

**BISMUTH.**—Prices of metal have been reduced. Rate for minimum lots of 5-cwt. is 10s. 6d. per lb., net.

**BUCHU.**—Short rounds are quoted at 3s. 11d. to 4s. per lb., spot; ovals are offered at 3s. 6d.

**CALABAR BEANS.**—Steady. Spot quotations are from 10½d. to 11d. per lb.

**CALUMBA.**—Spot supplies are offering at about 77s. 6d. per cwt.

**CAMPHOR.**—Chinese tablets are offered at from 7s. 6d. (½-oz.) to 8s. 6d. (¾-oz.); refined natural powder (B.P.), 6s. 9d.; B.B. grade, 6s. 3d.; slabs (2½-lb.). 7s. 3d.; crude powder, 6s. per lb., all spot London, duty paid. English synthetic powder, B.P., is quoted at 5s. per lb. and technical at 3s. 9d. per lb. in 100-lb. lots.

**CANTHARIDES.**—Slow. Spot quotations for Chinese are at 8s. to 8s. 3d. per lb.

**CAPSICUMS.**—African on spot is offered at from 90s. to 130s. per cwt., as to quality.

**CASCARA SAGRADA.**—Continues to attract only a small inquiry. Duty paid prices are from 190s. per cwt.

**COD-LIVER OIL.**—British-produced oil of B.P. quality is quoted from 12s. per gall., delivered in the United Kingdom.

**COLCHICUM.**—Corms on the spot, offered at prices from 6s. to 6s. 6d. per lb. Seeds, shipment, 12s. 6d., c.i.f.

**COLOCYNTH.**—Pulp on the spot is offered at prices from 1s. 7½d. per lb.

**DIGITALIS.**—English leaves are quoted at from 2s. 3d. per lb.; powder, B.P., is offered at about 5s. 9d. per lb.

**DRAGONS BLOOD.**—Singapore reboiled No. 1, £65 per cwt., spot; No. 2, £50 per cwt.

**EPHEDRA.**—Herb is offered at around 62s. 6d. to 67s. 6d. per cwt., ex wharf.

**ERGOT.**—Portuguese sound material spot is offered at 5s. 2d. per lb.; shipper quotations are at 4s. 9d., c.i.f.

**GUAIACUM RESIN.**—Steady. Prices from 2s. 4½d. to 2s. 6d. per lb., spot.

**GUM ACACIA.**—Kordofan cleaned sorts the spot now offered at 63s. 6d. per cwt. shipment, 57s. 6d. c.i.f. Bleached No. 125s., spot; shipment, 115s., c.i.f. Tallow on spot, 44s. per cwt.; forward, 38s., c.i.f.

**HENNA.**—Sudanese new-crop leaves offered at about 95s. per cwt., spot; India 85s. per cwt.

**HONEY.**—Prices are unchanged. Agree rates per cwt. for Australian or Jamaican honey, for manufacturing purposes, are follows: In original packings (56-60 tins for Australian or 3½-cwt. barrels for Jamaican) for quantities of 10 cwt. more, 96s.; less than 10 cwt., 105s., no carriage paid. Refined repacked honey available at the following rates per cwt. In 7-14 lb. tins, 145s.; 28-lb. tins, 130s; 56-lb. tins, 120s., carriage paid, subject to wholesale discount of 8½ per cent.

**HYDRASTIS.**—Quota supplies for use products primarily for export are offered at 35s. per lb.; small quantities free from restriction are quoted at 40s. per lb., spot.

**IPECACUANHA.**—Spot quotations for Nicaraguan or Costa Rican are from 23s. to 24s. per lb.; shipment, February-March, 22s., c.i.f.; March-April, 21s. 6d.

**MENTHOL.**—A better demand for Brazil on spot which is offered at 42s. to 42s. 6d. per lb., duty paid; in bond, 41s. c.i.f.

**MERCURY.**—Ex warehouse, £18 10s. p. flask; shipment, £17 17s. 6d., c.i.f. U.K.

**MYRRH.**—Aden sorts on the spot are offered at £12 per cwt.; siftings, £6 10s. £7. Substantially dearer at origin.

**NUTMEG.**—Steady. West Indian 80's on the spot, 3s.; sound unassorted, 2s. 9d. wormy and broken, 1s. 6d. per lb.

**OLIBANUM.**—Steady. Fair drop is offered at 150s., peas at 190s., fair garblings, 125s. and siftings at 80s. per cwt., spot.

**ORANGE PEEL.**—Spanish quarters, 1s. 2d. to 1s. 5d. spot; sweet ribbon, 1s. 9d. Seville bitter ribbon, 1s. 1d.; thin-cut Tripoli, 1s. 2d. per lb.

**PIMENTO.**—Quiet. Quotations are from 1s. 2d. to 1s. 2½d. per lb., spot; to arrive 119s. per cwt., c.i.f.

**QUILLAIA.**—Natural bark is in short supply on spot; prices are from 92s. 6d. to 95s. per cwt.; cut bark, 125s. per cwt. crushed, 120s.

**RHATANY.**—No inquiry. Spot quotation are at about 9d. per lb.

**RHUBARB.**—Sound. Chinese rough round on spot is quoted at 4s. 9d. to 5s. per lb. duty paid, according to fracture; a No. 1

ot is available at 3s. 6d. per lb., and  
ormy at 2s. 9d. to 3s.

**SARSAPARILLA.**—Jamaica native red,  
ot, sellers at 2s. 1d.; buyers, 2s. per lb.  
Jamaica "grey, in hanks, 4s. per lb.

**SEEDS.—ANISE.**—Quiet. Cyprus, 1s. 4½d.  
r lb., and Turkish, 1s. 4d. per lb., duty  
id, spot London. **CARAWAY.**—Dutch, un-  
anged at 122s. 6d. per cwt., duty paid,  
ot London. **CELERI.**—Very few inquiries  
ing received for Indian, 1s. 1d. per lb.  
w quoted, spot London or Liverpool.

**DRIANDER.**—In poor demand and prices  
e inclined to be easier. Argentine is  
fered at 36s. per cwt., duty paid, spot  
ondon or Liverpool; Morocco, quoted at  
s. 6d. per cwt., duty paid, spot London.

**JUNIN.**—Indian is now quoted at 180s. per  
t., spot London or Liverpool. Cyprus,  
llers of old-crop at 185s. per cwt., spot  
ondon.

**DILL.**—Indian remains firm at  
s. 6d. per cwt., spot London or Liver-  
ol. **FENNEL.**—Indian is quiet with sel-  
lers quoting at 70s. per cwt., spot Lon-  
on, and 69s. per cwt., ex store Liverpool.

**ENUGREEK.**—Market firm. Indian, 54s.  
r cwt., spot London or Liverpool;  
orocco, quoted at 53s. 6d. per cwt., duty  
id in London.

**SENNNA.**—Steady. Tinnevelly leaves, spot,  
o. 1. 9d. to 10d. per lb.; No. 2. 7d. to  
d.; No. 3. 4½d. to 5½d.; Tinnevelly pods,  
nd-picked, 8½d. to 1s. 4d.; manufac-  
uring, 4½d. to 5d. Alexandrian pods, hand-  
cked, spot, from 4s. 9d. to 5s. 9d., accord-  
g to quality and seller; medium, 2s. 9d.;  
unmanufacturing, from 1s. to 1s. 9d. per lb.;  
alexandrian leaves, f.a.q., 1s. 2d.

**SENEGA.**—Dull. Offers of spot supplies  
e made at 7s. 6d. per lb.

**SHELLAC.**—Prices of F.O.T.N., pure, have  
en to 340s. and F.O. Standard 1 to  
0s.; fine orange is 375s. to 415s. per  
t., all ex London warehouse.

**STRAMONIUM.**—Quiet. Indian on spot  
offered at 55s. per cwt.

**STROPHANTHUS.**—Steady. *Kombé*, 100 per  
nt., spot, is quoted at 11s. 6d. per lb.

**STYRAX.**—There have been some cheap  
ot offers during the week; dealers are  
w asking 6s. 3d. to 6s. 6d. per lb., duty  
id, for immediate delivery.

**TONKA BEANS.**—Steady. Spot quotations  
e at 5s. 9d. per lb. for Pará blacks, and  
. for Trinidad frosted.

**TRAGACANTH.**—Steady. Selected white,  
0 per cwt.; other white grades, from £55  
£85; pale leaf, £35 to £40; amber, £20  
£27; red, £14; hoggy, about £10 10s.

**TURMERIC.**—Madras finger is quoted at  
5s. per cwt., spot; new-crop, March-  
ril, 90s., c.i.f.; April-May, 87s. 6d.

**UVÆ URSSI.**—Current prices are about  
s. per cwt., spot.

**VALERIAN.**—Belgian root on spot is  
ered at about 130s. per cwt.; cut, 165s.

## Essential and Expressed Oils

**ALMOND.**—B.P. sweet oil is offered at 5s.  
to 6s. per lb., as to quantity. Bitter essen-  
tial oil is offered at from 27s. 6d. to 40s.  
per lb., as to grade.

**APRICOT KERNEL.**—Supplies are offered  
at around 5s. 9d. per lb.

**BAY.**—West Indian on the spot is quoted  
at from 6s. 6d. to 7s. 6d. per lb.

**CAJUPUT.**—B.P. is offering at from 23s.  
to 25s. per lb., spot.

**CAMPHOR.**—White oil on spot is quoted  
at from 2s. 4d. to 2s. 6d. per lb., duty paid:  
brown, shipment, 2s. 9d., c.i.f.

**CARAWAY.**—English-distilled is firm at  
37s. to 40s.; imported, 27s. 6d. to 30s. per  
lb., as to quantity.

**CASSIA.**—Spot quotations are from  
13s. 6d. to 15s. per lb.; 10s. 3d., c.i.f.

**CLOVE.**—Steady. Quotations for Eng-  
lish-distilled bud oil are at from 10s. 3d.  
to 11s. per lb., according to quantity.

**EUCALYPTUS.**—Spot quotations for 70-75  
per cent. (B.P.) are from 3s. 1d. to 3s. 3d.  
per lb. for drums, and up to 4s. for smalls;  
shipment, 2s. 9d., c.i.f.

**GINGER.**—Quoted at from 65s. to 70s.  
per lb., as to grade.

**GUAIACWOOD.**—Spot quotations are un-  
changed at from 18s. to 20s. per lb.

**JUNIPER BERRY.**—Steady. English-dis-  
tilled oil is quoted at from 95s. to 100s.  
per lb.; imported oil is offered at 25s. to  
27s. 6d. per lb., according to seller.

**LAVANDIN.**—Spot quotations for new-  
crop oil are from 7s. to 7s. 6d. per lb.

**LIME.**—West Indian on spot is offered at  
from 24s. to 27s. 6d. per lb.; the forward  
market is firmer.

**NUTMEG.**—Prices of English-distilled oil  
are unchanged at 37s. 6d. to 40s. per lb.

**OLIVE.**—Prices are unchanged. Supplies  
of oil from members of the Importers'  
Association are made at the rate of 26s. 2d.  
per gall. of 9 lb., ex store, drums included.  
Additional charges are added for small  
quantities, according to costs of breaking  
bulk, containers, delivery, etc.

**ORANGE.**—Sicilian bitter, for shipment,  
is quoted at 13s. to 13s. 6d. per lb., c.i.f.;  
nominal spot value, 15s. to 17s. Jamaican  
bitter is quoted at 15s. per lb., spot. West African  
sweet, from 7s. 9d., spot; shipment, 6s. 6d.  
per lb., c.i.f.; Rhodesian sweet is offered at  
9s. 6d. per lb., spot.

**PINE.**—*Pumilonis* is quoted at about  
17s. to 18s. per lb.: spot; *sylvestris* is  
quoted at from 9s. 6d. to 13s.

**PINE NEEDLE.**—Quiet. Supplies on spot  
are offered at 18s. to 20s. per lb., for first-  
grade.

**SANDALWOOD.**—Mysore oil on spot is  
quoted at prices from 60s. to 67s. 6d. per  
lb.; English-distilled, about 75s. per lb.

## TRADE MARKS

- (From the "Trade Marks Journal," January 26)
- "FALD"; by Herbert Drake-Law, London, E.15; 668,269 and 668,271-72. For all goods (1), (3) and (5).
- "AKTINO"; by Yaso Medicinal S.A., Barcelona; 658,977. "CAMBRILOX"; by Cambrian Chemical Industries, Ltd., Burry Port; 667,703. For all goods (3).
- "AGNEL"; by Parfumerie Agnel, Neuilly sur Seine; 659,743. "MORNY"; by Morny, Ltd., Perivale; 668,161. "JOYEUSE NUIT"; by Société Technique de la Parfumerie F. Millot, Paris; 668,566. "RONALD HAGMAN" in distinctive lettering; by Hagman Laboratories (1933) London, London, N.11; 668,769. For non-medicated toilet preparations (3).
- "CARTETTE"; by International Corporation, Ltd., London, S.W.1; B664,887. For perfumed sachets and leaflets (3).
- "DENTORO"; by Aranol, Ltd., Welwyn Garden City; B665,583. For dentifrices, mouthwashes (being non-medicated toilet preparations) and preparations for cleaning artificial teeth (3).
- "FABERGE" in distinctive lettering; by Fabergé Inc., New York; B667,387. For perfumes (3).
- "ODEX"; by Deodor-X Co. of England, Ltd., Liverpool; 646,482. For deodorisers (not being ingredients or constituents in industrial processes) (5).
- "MAGNET" and device of magnet; by Walshs, Ltd., Blackburn; 656,244. For veterinary eye lotions and veterinary preparations for the treatment of eczema, distemper and hysteria (5).
- "BACTEROFAX," "EPIFAX" and "HELIOPAX"; by the Wellcome Foundation, Ltd., London, N.W.1; 665,092, 665,095 and 665,099. "CAMBRILOX"; by Cambrian Chemical Industries, Ltd., Burry Port; 667,704. "ZEPHAMON"; by Bayer Products, Ltd., London, W.C.2; 675,365. For all goods (5).
- "SCLEROJECT" and "VAGOSTIM"; by the Wellcome Foundation, Ltd., London, N.W.1; 665,104 and 665,106. "JOFAR"; by Jofar Laboratories, London, W.11; 666,461. "GASTRASINE"; by Anti-bi-San, Ltd., London, E.C.2; 666,727. "KAOIMIX"; by J. L. Bragg, Ltd., London, N.11; B666,862. "ANAMEBINA"; by Imperial Chemical (Pharmaceuticals), Ltd., Slough; 668,290. "SEZETS"; by the Maxilin Marketing Co., Ltd., Bolton; 668,296. "TRETHANE"; by Bureau of Insemination, Ltd., Burnley; 668,348. "KOLAVIT"; by Coates & Cooper, Ltd., London, E.C.1; 668,349. "SUPLJEL"; by The British Drug Houses, Ltd., London, N.1; 668,855. For pharmaceutical preparations (5).
- Device of chessman; by Koray, Ltd., London, W.1; 665,859. For medicines for internal use, but not including medicated wines (5).
- "BLUE GRASS FLOWER MIST" in distinctive lettering; by Elizabeth Arden, Ltd., London, W.1; 664,000. For deodorants (5).
- "PINGATAPE"; by Connolly's (Blackley), Ltd., Blackley; 667,928. For adhesive tape for medical and surgical purposes (5).
- "METASILIA"; by Abbott Laboratories (England), Ltd., Perivale; 668,110. For laxatives (5).
- "FERNIDE," "FERNABOL" and "FERNAGRO"; Plant Protection, Ltd., Yalding; 668,668,050 and 668,381. For insecticides, fungic and weed-killing preparations (5).
- "TOYTOWN"; by Potter & Clarke, Ltd., London, E.1; 668,586. For children's medicines (5).
- "SOREXA"; by Ward, Blenkinsop & Co., Ltd., London, W.1; 675,138. For vermin-destroying preparations (5).
- "CRADLE"; by the Brynn Manufacturing Co. Ltd., Ashton-in-Makerfield; B666,096. medicated skin creams for babies (5).
- "NURSERYLAND"; by Projects (Coventry), Ltd., Coventry; B667,300. For teething rings, and beads (10).
- "GREEN ARROW"; by Willet & Robinson, Ltd., Maidstone; 665,328. For brushes (21).
- "GLODUC"; by Globe Products (Kingston), Kingston-on-Thames; 667,933. For combs and brushes (21).
- "CLINBRITIC"; by Britton, Malcolm & Co., Ltd., London, S.E.1; 668,452. For combs, spoons and brushes (21).
- (From the "Trade Marks Journal," February 12)
- "ESEFAY"; by B. Laporte, Ltd., London, W.1; B658,516-18. For industrial chemicals (1); detergents (3); for pharmaceutical preparations (5).
- "LENGOFIL"; by Plastics-Leng, Ltd., Birmingham; 667,185. For industrial chemicals (1).
- "MALTOMIC"; by Edme, Ltd., London, W.1; 668,104. For diastatic preparations of malt.
- "GWILI"; by Gwili Farmers Supply, Ltd., Cwmbranthen; 668,720. For fertilisers (1).
- "MUSC ZIBATA"; by L. Givaudan et Co., S. Vernier; 652,396. For musk perfumes (3).
- "RAZONE STAIN REMOVER" in circular device including cottage; by Cartref Supplies, Ltd., Swansea; 657,641. For stain-removing preparations (3).
- "PHED"; by Eva Newton Jones, London S.W.1; 664,049. "ECHO DE LONDRES"; by Edw Ross, Morden; 668,643. "AMANTA"; Hagman Laboratories (1933) London, London, N.11; 669,009. "RIGGING"; by Goya, Ltd., London, W.1; 669,133. For non-medical toilet preparations (3).
- "BILLO-WHITE"; by National Bituminous Products, Ltd., Reading; 667,284. "WITTAPOL" by Alcock (Peroxide), Ltd., Luton; 668,329. For detergents (3).
- "VERDOL"; by John Paterson & Co., Ltd., Gow; 667,936. For soaps and detergents (3).
- "DREFT" on label device; by Thomas Hedley Co., Ltd., Newcastle-on-Tyne; 667,846. For all goods (3).
- "SOLANTHOL" and "CARABEE"; by Ajama, Ltd., London, W.1; 668,511-12. For soap and essential oils (3).
- "CYROS"; by Ross Bros., Grimsby; 656,161. For pharmaceutical preparations, germicides and disinfectants (3).
- "DRIKIL"; by Cooper, McDougall & Robertson, Ltd., Berkhamsted; B666,924. For preparations for repelling and destroying insects and vermin (5).

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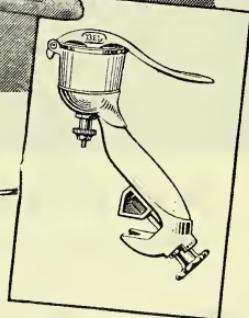
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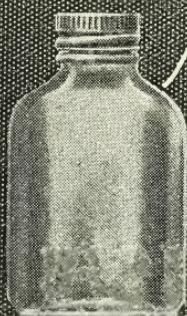
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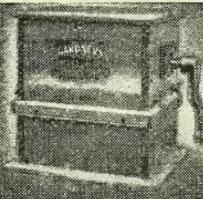
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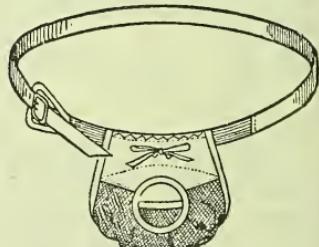
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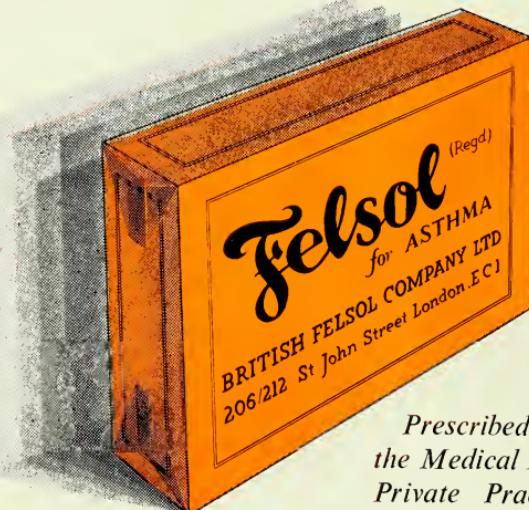
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